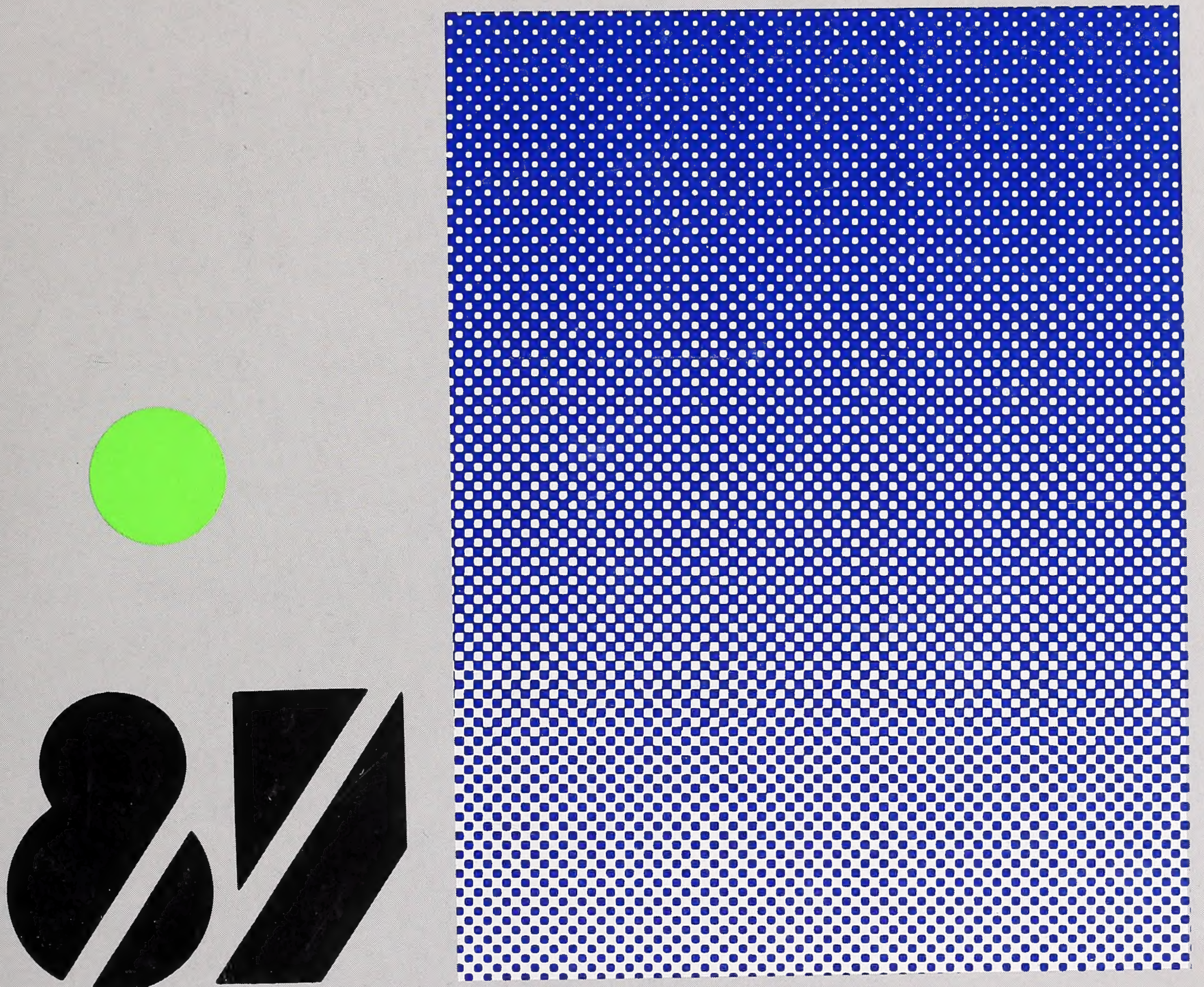
MEDICARE HOSPITAL MORTALITY INFORMATION



Minnesota, Ohio, Wisconsin

Region V

U.S. Department of Health and Human Services
Health Care Financing Administration

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MEDICARE HOSPITAL MORTALITY INFORMATION

1987

MINNESOTA, OHIO, WISCONSIN

REGION V

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The Health Care Financing Administration (HCFA) was established on March 9, 1977, to combine health financing and quality assurance programs into a single agency. HCFA is responsible for the Medicare program, Federal participation in the Medicaid program, the Peer Review Organization program and a variety of other health care quality assurance programs.

The mission of the Health Care Financing Administration is to ensure the effective administration of our programs in order to promote the timely delivery of appropriate, quality health care to over 56 million of the nation's aged, disabled and poor. The agency must also ensure that beneficiaries are aware of the services for which they are eligible, that those services are accessible and of high quality, and that agency policies and actions promote efficiency and quality within the total health care delivery system.

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TECHNICAL APPENDIX A-1

INTRODUCTION

The nation's Medicare program, which is administered through the Health Care Financing Administration (HCFA) in the Department of Health and Human Services, now has 31 million beneficiaries. One of HCFA's primary responsibilities is to ensure that Medicare beneficiaries receive quality health care. We believe that the publication of the Medicare hospital mortality information contained in this document will contribute to that end.

This particular information release presents information to answer the question: "What is the actual death rate for each hospital compared to what would have been expected for that particular hospital, given what we know of the characteristics of patients admitted?" The statistics are presented in the hope that they will serve the public and the hospitals in their common interest of improving quality of care.

The development of mortality statistics is a complicated and controversial task, since the mortality rate at a given hospital may reflect, among other factors, age, sex, diagnosis, and severity of illness of patients admitted to that hospital, as well as the purpose and quality of the care they received. Characteristics affecting health and the probability of death vary among the patient populations served by individual hospitals. Consequently, the mortality rates in different patient populations will vary.

The usefulness of this information depends upon the accuracy with which mortality rates can be predicted and the stability of these rates over time for each hospital. It is important to understand that the difference between the hospital's mortality rate and the predicted values in the tables contained in this document may not be a direct measure of the quality of care rendered in hospitals. There is one primary reason for this: we do not now have any direct measurement tool with which we can adjust fully for differences among hospitals in how severely ill their patients are. For instance, two hospitals might have very different death rates for patients admitted for stroke, even after we have adjusted for age and sex. This might happen because one hospital's stroke patients consist of a significant number admitted in a coma and are thus more likely to die, whereas another hospital's patient population represents a broader spectrum of patients with cerebrovascular problems, or because these hospitals in fact provide different levels of quality of care. In addition, other factors affecting the probability of death in a particular case (e.g., family status/support) and overall health status are not included in the predictive model because information on them is not readily available.

When properly understood and used, this information can be useful; it can also be very misleading if it is interpreted incorrectly. The information simply describes one of several possible outcomes at a hospital--post admission mortality for Medicare beneficiaries. The information is not necessarily representative of a hospital's total performance in all aspects of patient care, and is best used to view experience in individual hospitals rather than making comparisons among hospitals. Individual hospitals may have very good reasons for their rates being higher than the ranges predicted by HCFA's model. Accordingly, it was important for hospitals to have an opportunity to review their specific information and to provide comments to HCFA and the public. We asked each hospital to prepare its comments on the information being released to the public, and we are including those comments in this publication.

This information is an important contribution to the health care community and should be reviewed by a wide range of individuals and organizations including hospital administrators, Peer Review Organizations, physicians, and researchers. Among these audiences, perhaps the hospital administrator will find the information most useful--as a screening tool and in consulting with medical staff to evaluate a hospital's strengths and weaknesses. In this way, the information should lead to analysis and subsequent actions which will capitalize on areas of strong performance and strengthen areas where improvement is needed. For example, we expect that hospitals and their medical staffs, using established and newly emerging quality assessment techniques, will try to determine what useful information can be derived about their hospitals and how they function.

Consumers should read the explanations of the uses and limitations of the information, as well as any comments a hospital may have provided, and should consider carefully the different roles that different hospitals play in their community. For example, one hospital might have different death rates than another because it serves more severely ill patients or because it is a trauma or emergency center.

The development and presentation of this information continues to be an important part of HCFA's responsibilities in the health care community. Consequently, in making the information as accurate and useful as possible, over the past several years we have discussed the theoretical framework and statistical approach with a number of nationally recognized technical experts in appropriate fields. Based on their recommendations, we continue to believe that the models used in this work are reasonable and appropriate for the intent of the publication.

This year we made three significant changes in the way in which we presented this information:

- First, we are presenting information for 1986 and 1987. The information for 1986 may be somewhat different from that published last December, since it is based on this year's methodology.

- Second, we are including information about each hospital, such as bed size and other characteristics, which we obtained from data contained in the American Hospital Association's (AHA's) 1987 Annual Survey of Hospitals files or, where such information was not available from the AHA file, HCFA's Medicare/Medicaid Automated Certification System (MMACS) files.

- Third, instead of arranging the hospital mortality information and comments alphabetically by State, we have arranged the States regionally according to HCFA's 10 regional offices.

During our discussions with the experts, it was further recommended that we concentrate our efforts this year on validation of the data. Therefore, we have undertaken the following validation studies targeted to coincide with this year's release of the Hospital Mortality Information:

- HCFA is engaged in a statistical evaluation of the Hospital Mortality Information using clinical data abstracted by MediQual Systems, Inc. from over 40,000 medical records from a carefully selected sample of hospitals. The data consist of clinical characteristics of Medicare patients as ascertained in the first 48 hours of hospitalization, and include data from the patient history and preadmission findings, to permit assessment of the severity of illness at admission and its impact upon mortality. The validation consists of a comparison of the results of the mortality rate analyses with and without the adjustments for patient severity permitted by the specially obtained clinical data. This will allow conclusions about the extent to which patient severity impacts the mortality rates. Hospitals which participated in this study have done so voluntarily. HCFA has shared hospital specific results with each facility from which medical records were abstracted.

- We will be comparing results of the mortality rate analyses with the results found by all Peer Review Organizations (PROs) in applying HCFA's Generic Quality Screens to cases reviewed as a part of ongoing PRO review activities. The purpose of this particular validation effort is to determine the extent to which an alternative presumed measure of quality of care correlates with mortality rates.

In addition, the format for presentation, the process for sharing the information with individual hospitals, and the statistical methodology have been discussed at various meetings with leaders of organizations representing Medicare beneficiaries, physicians, and hospitals. Also, we have spent many months reviewing the comments received from the hospitals during the past 2 years regarding their patient-specific data and our mortality information publication.

Many suggestions from these sources have been incorporated into the final publication. For example, following the release, we examined a limited number of cases in which hospitals advised us that an individual shown as deceased on HCFA's records was in fact alive. An analysis of specific cases confirmed that there was a report of a date of death in the HCFA data base at the time the Medicare hospital mortality information was being analyzed. In most cases, we found that the source of the date of death in the record was the hospital inpatient bill provided by the facility. For example, the HCFA records showed that a bill submitted by Hospital "X" for an inpatient stay for a patient ending February 12, 1986 indicated the patient status at time of discharge as "Expired." This bill was processed on April 8, 1986 and served as part of the HCFA data base at the time we prepared the release of hospital mortality information. (For Medicare hospital mortality analyses, we used the Medicare billing records received for the June update of the MEDPAR file.) In July 1987, a bill was processed by HCFA for a subsequent hospital stay for this beneficiary and as a result we removed the date of death from our records. Unfortunately, this subsequent information was obtained too late to be included in the final information release. Although this type of billing problem was minimal on a national basis, we hope that an indirect byproduct of this process will be improved accuracy in coding and billing procedures.

The publication of Medicare Hospital Mortality Information is an ongoing process at HCFA. We are continuing to do everything we can to make this information more useful to both the public and the health care professions. We are refining ways to use the information as a screening tool for "quality of care" purposes, and we are developing tools to adjust for differences in disease severity. Thus, this year we provided hospitals with information on the Medicare Mortality Predictor System (MMPS) which is designed to help hospitals interpret the mortality rates of their patients. In addition, because we recognize that mortality rates alone do not adequately measure how effectively a hospital cares for its patients, we will be developing other measures of outcome, such as the need for medical treatment after discharge, to assess the performance of hospitals more fully.

Just as we made improvements in the methodology used last year, we expect that when the 1989 release is published, it, too, will reflect progress toward more accurate and useful information for hospitals, physicians, and consumers alike. This will contribute to assessment of and improvement in the effectiveness of medical services.

William L Roper M D.

William L. Roper, M.D.
Administrator

DESCRIPTION OF MORTALITY INFORMATION

Before reading the tables containing the hospital-specific information and the comments provided by individual hospitals, the reader will find it useful to understand the format and presentation of the information in this document.

The analyses of the mortality rates associated with hospitalizations in 1987 are very similar to those carried out last year on Medicare hospitalizations which occurred in 1986. Only one hospitalization for every patient was used--the last hospitalization with a discharge in calendar year 1987. The event evaluated was death within 30 days of admission to the hospital.

For each hospital, information is presented for overall Medicare patient mortality and each of 16 diagnostic categories. The information consists of the number of Medicare patients, the actual mortality rate, and a range of predicted mortality, given the mix of patients.

The reader should note three significant changes in the way the information is organized in this year's publication:

- First, we are presenting information for 1986 and 1987. The information for 1986 may be somewhat different from that published last December, since it is based on the revised methodology discussed below.
- Second, we are including information about each hospital, such as bed size and other characteristics, which we obtained from data contained in the American Hospital Association's (AHA's) 1987 Annual Survey of Hospitals files or, where such information was not available from the AHA file, HCFA's Medicare/Medicaid Automated Certification System (MMACS) files. These hospital characteristics are found at the bottom of each hospital summary page containing the 1986 and 1987 mortality rates and ranges. A more detailed discussion of the hospital characteristics can be found in the section entitled "Hospital Characteristics Definitions."
- Third, instead of arranging the hospital mortality information and comments alphabetically by State, we have arranged the States regionally according to HCFA's 10 regional offices. Thus, the hospital information and comments are arranged alphabetically by State within each State's respective regional volume. A complete listing of States by region (and volume) can be found at Table 1.

Before reviewing the summary table for your hospital, it would be helpful to describe how the numbers were derived and what they mean:

- Number of Cases. This figure is the number of individual Medicare beneficiaries whose last discharge from a short term, acute care hospital in a calendar year was from the hospital listed. The total number for each hospital is presented under the category "all cases."

Similarly, for each diagnostic category, the number of cases consists of the number of Medicare beneficiaries whose last discharge in the calendar year was from the hospital cited and whose principal diagnosis at admission fell within the specific diagnostic category.

Since only a patient's last hospital discharge (including death occurring in a hospital) is "counted" in the total number, HCFA's computation and that maintained by individual hospitals will generally differ. For example, if John Doe was a patient at Hospital A three times during 1987, the methodology used in HCFA's analysis counts only the last discharge in 1987 in the hospital's total. Normally, a hospital maintains statistics regarding each of its admissions and so would count Mr. Doe as three cases. In addition, in this example, if Mr. Doe were admitted later in the year to Hospital B (another acute care hospital) and then discharged in 1987, and this latter stay represented his last discharge for 1987, his case would be counted in Hospital B's total and he would not appear at all in Hospital A's count.

The key factor to remember is that we are examining last hospital discharges in 1987. In some cases, this will necessitate the inclusion of certain patients admitted to the hospital in 1986 or who died in January 1988.

- Actual Mortality Rate. This figure presents the percentage of each hospital's Medicare patients who died within 30 days of the admission that resulted in the last-occurring discharge of the patient in 1987. (The percentage is rounded to the nearest whole percentage point.)

  Where, for example, Hospital A had a universe of 1000 patients whose last acute care hospital discharge in 1987 was from Hospital A, and 100 of these patients died within 30 days of their admission, whether as hospital inpatients or after discharge, the actual mortality rate would be 10 percent. This rate includes cases in which a beneficiary was admitted to the hospital in 1986 and was discharged in 1987. It also includes those instances in which a beneficiary was discharged in 1987 and died within 30 days of admission, even though the 30-day period extends into 1988. Cases in which the beneficiary was not discharged in 1987 are not part of the rate. For example, a person who was admitted to a hospital on December 28, 1987, discharged on January 5, 1988 and died on January 8, 1988 would not be a part of the calculation, even though that person died within 30 days of a 1987 admission.

- Range for Predicted Mortality. This column gives an estimate of mortality rates for cases equal in number and with the average characteristics of the cases treated by the hospital. The range is derived in part by determining, based on national experience, the contribution to the probability of dying associated with various patient characteristics: the number of high, low, and undefined risk hospital admissions in the previous six months, transfer status, age, sex, and presence of up to four of eight possible comorbid conditions--cancer, chronic cardiovascular disease, cerebrovascular degeneration/chronic psychosis, chronic pulmonary disease, chronic renal disease, chronic liver disease, diabetes, hypertensive disease--and by applying weights of the risk factors to the actual number of patients at the hospital to enable compilation of an expected mortality rate. This rate is converted, with adjustment for the variability expected given the number of cases, to a range of predicted mortality rates. It is important to note that the fewer the number of cases included in a given diagnostic category, the greater the uncertainty of the expected mortality range and, therefore, the wider the range. A larger number of cases yields greater precision, and therefore, a more narrow range of predicted mortality rates.

The principal source of data for the analysis was the HCFA Medicare Provider Analysis and Review (MEDPAR) file which contains information about each Medicare hospital discharge. Information about beneficiaries, including date of death, was obtained from the Social Security Administration.

The analyses were performed by means of logistic regression, with patients grouped into 17 distinct diagnostic categories: ten high risk and six low risk and one category containing all others. Similar to last year, the risk factors (covariates) included in the regression analyses within each diagnostic category were age, sex, significant comorbidities, number of admissions by risk category within 6 months, and status as a transfer patient. However, in response to comments on last year's definition of the diagnostic categories, the present categories are more risk-homogeneous. That is, the mortality rates associated with the ICD-9-CM codes for the principal diagnoses were evaluated and were used to determine whether a code should be placed in the high risk, the low risk, or the "undefined" category. Consequently, while the diagnostic categories still follow medical disciplinary lines, the range of mortality rates in each diagnostic category is more restricted. The net result is that the 16 specifically defined categories now account for about 65 percent of the patients, compared to 70 percent last year, and for about 72 percent of deaths, compared to 80 percent last year. A list of the ICD-9-CM codes used in each diagnostic category is attached in Table 2 and the list of the comorbidities is attached in Table 3. In the process of making these adjustments in the diagnostic categories, we have also modified the names of five categories to reflect more accurately their composition. These changes are: Neuropsychiatric/Sensory Disease (formerly Opthalmologic Disease), Musculoskeletal/Skin Conditions (formerly Orthopedic Disorders), Renal Failure (formerly Renal Disease), Infectious Disease (formerly Sepsis) and Cerebrovascular Accidents (formerly Stroke).

HOSPITAL COMMENTS

On September 15, 1988, HCFA mailed to each hospital its own mortality information and asked for comments by October 24, 1988. Each hospital's comments, if any, immediately follow its mortality information. The comments are generally reproduced as submitted by the hospital. However, some hospitals returned to HCFA an annotated copy of the information sent on September 15. These annotated materials have not been reproduced in this publication.

even in those instances where they were the only form of comments submitted by a hospital. The reason for not printing these materials is one of privacy or because it would result in duplication of characteristics already corrected by HCFA. Information which would identify or possibly identify patients must be deleted, which would cause any remaining information to be of extremely limited, if any, use. Therefore, we have included a statement to identify instances when these types of materials have not been included. Other hospitals submitted comments that were more lengthy than those which we specified in our September 15 letter would be permitted and, therefore, were edited. As mentioned earlier, it is extremely important that the information presented in the tables be reviewed in concert with the hospital's comments.

In any project of this size, there will be instances where hospitals did not receive the information for comment or did not receive it timely. In fact, many hospitals were sent second copies of their specific information in an expeditious manner to allow every opportunity for review and comment. Therefore, even though it is possible that some of the nonresponding facilities never got the information or did not have adequate time to comment, we expect that these instances were few in number.

INFORMATION SOURCES AND NOTES

It is important to note that this publication is based primarily on Medicare hospital billing information for calendar years 1985, 1986, and 1987. While the principal source for the analysis was the HCFA-maintained MEDPAR file which contains information about each Medicare hospitalization, some of the information about beneficiaries, such as date of death, was obtained from the Social Security Administration. Hospitals submit such information to HCFA's fiscal intermediaries (which handle claims for the care provided to Medicare beneficiaries). The file is updated quarterly. It is estimated that billing information on approximately 95 percent of all Medicare discharges is included in the MEDPAR file within 6 months of the close of the calendar year. Accordingly, our analysis was based on information received through June 10, 1988.

In any large-scale data base such as one dealing with Medicare hospitalizations, there will be gaps or inaccuracies. The fact that the files contain information on about 10 million hospital admissions to nearly 6,000 hospitals for each year provides some assurance that, for purposes of the statistical analysis conducted here, the information which might be missing or inaccurate is such a small portion of the total that it would have almost no impact on the results.

Nonetheless, while we feel that the information used in this analysis is quite thorough and complete, there are a few points which should be kept in mind as the hospital-specific information is being reviewed:

- The information used is billing data and is only as good as the information submitted by hospitals as a part of the payment process. Although there is always a possibility that coding errors are included, for our purposes here, it is assumed that, given the link to payment, hospitals have an incentive to submit bills accurately and promptly.

- The hospitals included in this analysis are short-term, acute care facilities which were identified by their unique provider number. All facilities which have a zero in the third position of their provider number are by definition participating in Medicare as short-term, acute care facilities. All other facilities--those with something other than a zero in the third position of the provider number--were excluded from the analysis. In some cases, hospital names suggest an orientation different from acute care. This does not mean the facility is inappropriately included in the publication.

- There is some information in the file which does not reflect the results of review by Peer Review Organizations (PROs), the entities charged with reviewing hospital services provided to Medicare beneficiaries. For example, one of the functions a PRO performs is to ensure that the diagnosis assigned to a particular case is accurate. The nature of the review and payment system is such that it is possible that PRO changes in diagnosis assignment may not be submitted to HCFA and associated in the MEDPAR file on as timely a basis as other billing information. Obviously, any major changes in diagnosis assignment which are not reflected in the data base would have a bearing on calculation of mortality rates in individual diagnostic categories and may also have a bearing on comorbidities. Some hospitals pointed out instances where the hospital's mortality information did not agree with HCFA's; e.g., different date of death, cases of subsequent admission to another facility, or changes in diagnostic codes. The data base used in this analysis has not been revised to reflect these potential discrepancies. Rather, we are examining all hospital comments to ensure that changes to our data systems and processes can be made when warranted so that future releases will be even more accurate. Readers are urged to review any hospital comments with a specific view toward these types of issues.

- The predictive model used in this effort does not explain all variability in outcome. Most notably, a measure of severity of illness has not been included in the model, and, therefore, the predictive power of the model is less precise than it would be if such a measure had been available. Nonetheless, the information included in this document does legitimately contribute to the body of information about hospital performance.

HOSPITAL CHARACTERISTICS DEFINITIONS

In this year's publication, we have included hospital characteristics information such as bed size, occupancy rate, ownership, staffing, and specialty services. This information was obtained from the American Hospital Association (AHA) 1987 Annual Survey of Hospital Files. Where hospitals did not provide information on a particular item, it has been listed as "not available." This file consists of information voluntarily reported by hospitals to the AHA. In instances where the AHA records contained no information about a hospital included in the analysis, we have presented the most recent information from HCFA's Medicare/Medicaid Automated Certification System (MMACS) Files.

Following are the AHA's definitions of each characteristic found on the hospital's summary page containing the 1986 and 1987 mortality rates and ranges.

SURVEY AND YEAR: AHA 1987	Source = American Hospital Association 1987 Annual Survey of Hospital Files
o Total beds (#):	Number of beds (including sub-acute beds), cribs, and pediatric and neonatal bassinets regularly maintained (set up and staffed for use) for inpatients as of the close of the reporting period; does not include bassinets for normal newborn infants.
o Occupancy rate (%):	Ratio of average daily census to the average number of beds (statistical beds) maintained during the 12-month reporting period. (NOTE: The number of these "statistical beds" may differ from the bed count at the close of the reporting period.)
o Ownership/control:	State government, local government, district/authority, church, private nonprofit, private for profit, or Federal Government
STAFFING:	
o Total number of physicians:	Total active and associate medical staff
o Percent of Board-Certified Specialists	Physicians who have passed an examination given by a medical specialty board and have been certified by that board as a specialist.
o Interns and residents:	Full-time equivalent (FTE) medical residents
o Registered nurses:	Full-time equivalent (FTE) registered nurses
o Licensed practical nurses:	Full-time equivalent (FTE) licensed practical nurses

SPECIALTY SERVICES:

o Shock/trauma unit:	Provides emergency and specialized intensive care to critically injured patients.
o Burn unit:	Provides more intensive care to severely burned patients than the usual acute nursing care provided in medical and surgical units. Beds must be set up and staffed in a unit specifically designated for this service.
o Medical/surgical intensive care:	Provides nursing care to adult and/ or pediatric patients of a more intensive nature than the usual medical, surgical, pediatric, and/or psychiatric care on the basis of physicians' orders and approved nursing care plans. Included are medical-surgical, pediatric, and psychiatric (isolation) units. These units are staffed with specially trained nursing personnel and contain monitoring and specialized support equipment for patients who, because of shock, trauma, or life-threatening condi- tions, require intensified, compre- hensive observation and care. These units may also include cardiac care when such services are not provided in a distinct cardiac care unit.
o Cardiac intensive care:	Provides patient care of a more specialized nature than the usual medical and surgical care, on the basis of physicians' orders and approved nursing care plans. The unit is staffed with specially trained nursing personnel and contains monitoring and specialized support or treatment equipment for patients who, because of heart seizure, open-heart surgery, or other life-threatening conditions, require intensified, comprehensive observation and care. May include myocardial infarction, pulmonary care, and heart transplant units. Beds must be set up and staffed in a unit(s) specifically designated for this service.

o	Organ transplant service	The necessary staff and equipment to perform the surgical removal of a viable human organ (including kidney) from a donor, either alive or just deceased, and the surgical grafting of the organ to a suitably evaluated and prepared patient.
o	Hospice care:	A program providing palliative care, chiefly medical relief of pain and supportive services, to terminally ill patients and assistance to their families in adjusting to the patient's illness and death.

NOTE: Inquiries regarding the AHA data or requests for additional AHA data must be directed to the Director of the American Hospital Association's Hospital Data Center at (312) 280-6000.

Following are HCFA's Medicare/Medicaid Automated Certification System (MMACS) definitions of each characteristic found on the hospital's summary page containing the 1986 and 1987 mortality rates and ranges. Please note that there are no specific definitions of the specialty services in MMACS, and the characteristics that appear are those reported by the hospital.

SURVEY AND YEAR: HCFA 19_		Source = Health Care Financing Administration MMACS Files
o	Total beds (#):	Total number of operational beds eligible for Medicare reimbursement.
o	Ownership/control:	Church; private; Federal, State, local government, or hospital district or authority; proprietary.

STAFFING:

o	Interns and residents:	Full-time equivalent (FTE) medical residents
o	Registered nurses:	Full-time equivalent (FTE) registered nurses
o	Licensed practical nurses:	Full-time equivalent (FTE) licensed practical nurses

o	Organ transplant service:	The necessary staff and equipment to perform the surgical removal of a viable human organ (including kidney) from a donor, either alive or just deceased, and the surgical grafting of the organ to a suitably evaluated and prepared patient.
o	Hospice care:	A program providing palliative care, chiefly medical relief of pain and supportive services, to terminally ill patients and assistance to their families in adjusting to the patient's illness and death.

Table 1

STATES BY REGION	LOCATION OF HCFA REGIONAL OFFICE
Connecticut Maine Massachusetts New Hampshire Rhode Island Vermont	Boston(I)
New Jersey New York Puerto Rico Virgin Islands	New York(II)
Delaware District of Columbia Maryland Pennsylvania Virginia West Virginia	Philadelphia(III)
Alabama Florida Georgia Kentucky Mississippi North Carolina South Carolina Tennessee	Atlanta(IV)
Illinois Indiana Michigan Minnesota Ohio Wisconsin	Chicago (V)
Arkansas Louisiana New Mexico Oklahoma Texas	Dallas (VI)

Table 1 (Cont.)

STATES BY REGION	LOCATION OF HCFA REGIONAL OFFICE
Iowa Kansas Missouri Nebraska	Kansas City(VII)
Colorado Montana North Dakota South Dakota Utah Wyoming	Denver(VIII)
American Samoa/Guam Arizona California Hawaii Nevada	San Francisco(IX)
Alaska Idaho Oregon Washington	Seattle(X)

Table 2

DIAGNOSTIC CATEGORY	ICD-9-CM CODES
High Risk	
Cancer	141, 147, 150-151, 156-159, 162.2-164, 171.5, 171.8, 171.9, 172.8, 179, 180.9 183, 189.0, 191, 192.2, 195, 196.1-196.2, 196.8, 197.0-197.2, 197.4-197.8, 198.0- 198.1, 198.3-198.8, 199-208
Cerebrovascular Accidents	430-432, 433.0, 434, 436
Severe Acute Heart Disease	410, 415, 421.0, 421.9, 423.0-423.2, 427.4-427.5, 441.0, 441.1, 441.3, 441.5, 444.1, 447.2, 785.5
Severe Chronic Heart Disease	397, 398.91, 416, 425.0, 425.2-425.4, 426.89, 428, 429.5-429.9, 441.2, 442.2, 453.2
Gastrointestinal Catastrophes	452, 453.0, 456.0, 456.20, 530.4, 530.8, 531.1-531.2, 531.5-531.6, 532.1-532.2, 532.5-532.6, 533.1-533.2, 533.5-533.6, 534.1-534.2, 534.5-534.6, 551, 557.0, 558.2, 560.0, 560.2, 560.89, 567, 569.83, 570, 571.2, 571.5-571.6, 572.2-572.4, 572.8
Metabolic/ Electrolyte Disorders	250.2-250.3, 260-263, 273, 275.4, 276.0, 276.2, 276.4-276.5, 277.3
Pulmonary Disease	481, 482.0-482.1, 482.3-482.9, 485-486, 500-505, 507, 508.0, 510, 511.1-511.9, 512-516.0, 518.0-518.1, 518.4, 518.5, 519.2-519.3
Renal Failure	584-586
Infectious Disease	018, 027.0, 036, 038, 040, 046-048, 049.0-049.1, 054, 060, 070.0, 070.2, 070.4, 070.6, 112, 116-117, 136.3, 320-320.7
Severe Trauma	806.0-806.1, 807.4, 851-853, 861.0-861.1, 861.3, 864, 868-869, 875.1, 901-902, 933.1, 934, 946.3-946.5, 948.4-948.9, 958.4

Table 2 (cont.)

DIAGNOSTIC CATEGORY	ICD-9-CM CODES
Low-Risk	
Neuropsychiatric/Sensory Disease	290-292, 293.1-293.9, 294-309, 311-319, 331.1-331.9, (excluding 331.7), 332-334 (excluding 334.4), 337 (excluding 337.1), 340, 342-343, 344.2-344.9, 345.0-345.2, 345.4-345.9, 346-347, 348.0, 350-358 (excluding 357.1-357.4 and 358.1), 360-389
Gynecologic Disease	614-627 (excluding 619.1)
Low-Risk Heart Disease	390, 393, 401, 402.00, 402.10, 402.90, 405, 411.1-411.8, 413-414, 417, 420.9, 422.9, 425.1, 426.1-426.7, 426.81, 427.0, 427.2-427.3, 427.6, 427.8-427.9, 429.4, 433.1-433.9, 435, 437.2, 442.0-442.1, 442.3-442.9, 447.0-447.1, 447.3-447.9, 448, 451, 453.1, 453.8-453.9, 454-455, 456.3-456.6, 457.0-457.1, 457.9, 458.0
Gastrointestinal Disease	520-527, 528.2, 528.4-528.9, 529, 530.0-530.3, 530.5-530.7, 530.9, 531.3, 531.7-531.9, 532.3, 532.7-532.9, 533.3, 533.7-533.9, 534.3, 534.7-534.9, 535-536, 537.1-537.2, 537.5-537.6, 537.81, 537.9, 540-543, 550, 552, 558.1, 558.9, 562-566, 568, 569.0-569.2, 569.4-569.6, 569.9, 571.8-571.9, 574.00, 574.10, 574.20, 574.30, 574.40, 574.50, 575.0-575.3, 575.5-575.6, 575.9, 576.0, 576.9, 577.1, 577.9, 579
Urologic Disease	582-583, 588-589, 590.1, 590.8-590.9, 592, 594-595, 596.0, 596.2-596.5, 596.7-596.9, 597-598, 599.1-599.9, 600-606, 607.0-607.1, 607.3-607.9, 608.0-608.3, 608.8-608.9

Table 2 (cont.)

DIAGNOSTIC CATEGORY	ICD-9-CM CODES
Musculoskeletal/Skin Conditions	680-686, 690-698, 700-706, 707.1-707.9, 708-709, 710.0, 710.2-710.9, 714.0-714.4, 714.89, 714.9, 715-744, 746-758, 800.0, 800.5, 801.0, 801.5, 802, 805, 806.2-806.9, 807.00-807.06, 807.1-807.3, 807.5-807.6, 808-819, 822-838, 839.1-839.9, 840-848, 850, 854.00-854.04, 854.06-854.09, 861.2, 862, 867.1, 867.3-867.9, 870-874, 875.0, 876-887, 890-897, 905-929

The number of digits in the code indicated is important in identifying the included diagnoses. If a 3 digit code is given, all diagnoses with the first three digits indicated are included. Thus, if there is a 4th and 5th digit subclassification for the code, diagnoses with these 4th and 5th digits are included.

If a 4 digit code is given, all diagnoses with the first four digits indicated are included. Additionally, if there is a 5th digit subclassification for the code, the diagnoses with the first four digits indicated and any of the 5th digits are included. Codes specified to the 5th digit were defined with greater clinical detail and include only that diagnosis.

Where a range of codes are specified (such as 290-292) all diagnoses through 292 are included. The rules for interpreting what is included in the 3 digit code of 292 are indicated above.

Table 3

COMORBIDITY	ICD-9-CM CODES
Cancer	141-160.9, 162-172.9, 174-208.9
Chronic Liver Disease	571-572.8
Chronic Renal Disease	582-583.9, 585-587
Chronic Cardiovascular Disease	412-414.9, 426-429.1
Chronic Pulmonary Disease	491-493.9, 496
Cerebrovascular Degeneration/ Chronic Psychosis	290-290.9, 294-299.9
Hypertensive Disease	402-405.99
Diabetes	250.01, 250.1-250.9

(A comorbidity is taken to be present if its ICD-9-CM code appears on the bill as any one of the up to four additional diagnoses beyond the principal diagnosis.)

A L VADHEIM MEMORIAL HOSPITAL

240 WILLOW STREET
TYLER , MN 56178

Medicare Hospital Provider Number: 240145

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	119	13	10 - 23	170	11	9 - 19
Cancer	3	33	8 - 89	2	100	11 - 99
Cerebrovascular Accidents	2	0	5 - 89	2	0	3 - 88
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	2	50	6 - 95	2	50	2 - 92
Metabolic/Electrolyte Disorders	6	17	2 - 71	0	-	-
Pulmonary Disease	9	11	9 - 57	17	12	8 - 44
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	9	78	16 - 70	9	78	21 - 74
Severe Chronic Heart Disease	11	18	6 - 55	11	18	9 - 57
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	5	0	1 - 74	13	0	1 - 38
Gynecologic Disease	3	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	12	0	0 - 46	19	0	0 - 39
Musculoskeletal/Skin Conditions	8	0	0 - 89	24	0	1 - 21
Neuropsychiatric/Sensory Disease	4	0	0 -100	6	0	0 -100
Urologic Disease	4	0	0 -100	7	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	67
Occupancy Rate (%):	73
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	9
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

A. L. VADHEIM MEMORIAL HOSPITAL
SUNRISE MANOR
240 WILLOW STREET, TYLER, MINNESOTA 56178

TYLER HOSPITAL CORPORATION

OFFICE: 507/247-5521

24 0145

Comments on Mortality Release:

Our occupancy on the 24 hospital beds we had set up was 34% for 1986.

Our nursing staffing was reported in FTEs. We actually had more RNs and LPNs on staff, and the figure reported may not be directly comparable to all other facilities.

Of the severe acute heart disease cases:
- one was miscoded and actually was not a case of heart disease.
- two patients expred after transfer from nursing home.
- one patient was not from our area so true cause of death is unknown to hospital. At discharge, physician notes state that the patient did not accept consultaiton at the Sioux Falls medical center.

ABBOTT-NORTHWESTERN HOSPITAL

810 EAST 27TH STREET
MINNEAPOLIS, MN 55407

Medicare Hospital Provider Number: 240057

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	4,179	10	10 - 14	4,041	8	9 - 13
Cancer	149	41	31 - 52	155	38	31 - 52
Cerebrovascular Accidents	135	28	20 - 37	120	21	20 - 36
Gastrointestinal Catastrophes	26	46	17 - 57	33	36	18 - 54
Infectious Disease	24	38	22 - 61	19	21	24 - 63
Metabolic/Electrolyte Disorders	76	26	18 - 44	43	28	12 - 44
Pulmonary Disease	153	26	22 - 40	130	15	18 - 35
Renal Failure	14	14	14 - 67	15	13	17 - 70
Severe Acute Heart Disease	199	29	31 - 47	158	25	32 - 49
Severe Chronic Heart Disease	149	19	19 - 33	139	23	16 - 32
Severe Trauma	4	50	3 - 82	7	14	5 - 65
Gastrointestinal Disease	212	4	1 - 8	209	1	2 - 6
Gynecologic Disease	44	0	0 - 98	46	0	0 -100
Low-Risk Heart Disease	768	4	3 - 6	858	2	3 - 6
Musculoskeletal/Skin Conditions	482	2	1 - 5	415	2	1 - 5
Neuropsychiatric/Sensory Disease	199	2	0 - 8	215	0	1 - 5
Urologic Disease	111	0	1 - 6	133	2	1 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	783
Occupancy Rate (%):	72
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	516
Percent of Physicians Who Are Board Certified Specialists:	78
Interns and Residents:	14
Registered Nurses:	809
Licensed Practical Nurses:	70

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

ADA MUNICIPAL HOSPITAL

405 E 2ND ST
ADA, MN 56510

Medicare Hospital Provider Number: 240114

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	**Actual Mortality Rate (%)**	**Range For Predicted Mortality (%)**	**Cases**	**Actual Mortality Rate (%)**	**Range For Predicted Mortality (%)**
All Cases	111	20	8 - 23	129	19	10 - 24
Cancer	7	71	18 - 79	1	0	1 - 97
Cerebrovascular Accidents	5	20	4 - 74	9	44	6 - 66
Gastrointestinal Catastrophes	1	0	1 - 97	2	100	8 - 91
Infectious Disease	0	-	-	2	0	1 - 90
Metabolic/Electrolyte Disorders	0	-	-	2	0	1 - 89
Pulmonary Disease	5	40	3 - 77	10	60	11 - 67
Renal Failure	1	100	2 - 97	3	67	9 - 91
Severe Acute Heart Disease	6	67	12 - 78	15	33	19 - 65
Severe Chronic Heart Disease	3	0	1 - 82	8	13	7 - 60
Severe Trauma	1	0	0 - 99	0	-	-
Gastrointestinal Disease	11	18	0 -100	20	5	0 - 81
Gynecologic Disease	3	0	0 -100	3	33	0 - 95
Low-Risk Heart Disease	16	13	0 - 73	17	6	0 - 84
Musculoskeletal/Skin Conditions	13	0	0 - 63	7	0	0 - 99
Neuropsychiatric/Sensory Disease	3	0	0 -100	6	0	0 -100
Urologic Disease	3	0	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	79
Occupancy Rate (%):	64
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	71
Interns and Residents:	0
Registered Nurses:	6
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

AITKIN COMMUNITY HOSP

301 MINNESOTA AVE SOUTH
AITKIN, MN 56431

Medicare Hospital Provider Number: 240086

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	209	18	11 - 22	295	18	12 - 21
Cancer	3	100	18 - 91	7	71	24 - 86
Cerebrovascular Accidents	9	22	9 - 63	14	36	12 - 60
Gastrointestinal Catastrophes	2	50	1 - 93	5	40	6 - 78
Infectious Disease	1	0	0 - 98	3	33	3 - 86
Metabolic/Electrolyte Disorders	4	0	7 - 72	8	25	7 - 66
Pulmonary Disease	18	33	9 - 53	33	42	14 - 48
Renal Failure	1	0	1 - 97	2	50	6 - 95
Severe Acute Heart Disease	27	44	25 - 62	21	33	22 - 62
Severe Chronic Heart Disease	9	0	10 - 47	16	38	10 - 56
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	17	0	0 - 70	17	6	0 - 83
Gynecologic Disease	2	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	28	4	0 - 45	57	0	1 - 9
Musculoskeletal/Skin Conditions	11	18	0 -100	17	0	0 -100
Neuropsychiatric/Sensory Disease	3	0	0 - 95	5	0	0 -100
Urologic Disease	10	0	0 -100	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	84
Occupancy Rate (%):	54
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	9
Percent of Physicians Who Are Board Certified Specialists:	44
Interns and Residents:	0
Registered Nurses:	16
Licensed Practical Nurses:	11

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ALBANY COMMUNITY HOSPITAL

6TH ST N 3RD AVE E
ALBANY, MN 56307

Medicare Hospital Provider Number: 240193

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	82	10	7 - 21	96	8	8 - 20
Cancer	1	100	2 - 97	1	0	1 - 97
Cerebrovascular Accidents	3	33	3 - 86	7	29	9 - 70
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	2	0	5 - 89	0	-	-
Metabolic/Electrolyte Disorders	5	20	5 - 74	3	0	3 - 79
Pulmonary Disease	11	18	8 - 57	15	0	13 - 39
Renal Failure	2	100	5 - 90	0	-	-
Severe Acute Heart Disease	0	-	-	2	100	11 - 95
Severe Chronic Heart Disease	4	0	3 - 71	2	0	0 - 97
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	13	0	0 - 97	4	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	5	0	0 - 99	14	14	0 - 64
Musculoskeletal/Skin Conditions	7	0	0 -100	6	0	0 -100
Neuropsychiatric/Sensory Disease	0	-	-	2	0	0 -100
Urologic Disease	3	33	0 -100	9	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 26
Occupancy Rate (%): 23
Ownership/Control: Private, For Profit

STAFFING

Total Number of Physicians: 4
Percent of Physicians Who Are Board Certified Specialists: (not available)
Interns and Residents: 0
Registered Nurses: 10
Licensed Practical Nurses: 8

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

APPLETON MUNICIPAL HOSPITAL

300 SOUTH BEHL STREET
APPLETON, MN 56208

Medicare Hospital Provider Number: 240116

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	136	17	6 - 20	162	17	9 - 21
Cancer	3	100	9 - 82	2	50	7 - 96
Cerebrovascular Accidents	5	60	7 - 78	8	38	8 - 69
Gastrointestinal Catastrophes	2	50	1 - 93	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	1	0	0 -100	1	0	0 -100
Pulmonary Disease	17	35	11 - 56	19	42	15 - 58
Renal Failure	1	100	3 - 99	0	-	-
Severe Acute Heart Disease	1	0	1 - 97	12	58	19 - 71
Severe Chronic Heart Disease	3	33	1 - 88	4	0	3 - 71
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	6	0	0 - 87	14	14	1 - 57
Gynecologic Disease	2	0	0 -100	0	-	-
Low-Risk Heart Disease	26	0	0 - 24	32	13	1 - 39
Musculoskeletal/Skin Conditions	17	0	0 - 70	6	0	0 -100
Neuropsychiatric/Sensory Disease	2	0	0 -100	7	0	0 - 97
Urologic Disease	8	0	0 -100	13	0	0 - 80

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	107
Occupancy Rate (%):	81
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	2
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	4
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ARLINGTON MUNICIPAL HOSPITAL

601 WEST CHANDLER
ARLINGTON, MN 55307

Medicare Hospital Provider Number: 240161

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	72	18	9 - 28	126	19	10 - 24
Cancer	2	0	3 - 88	3	100	18 - 91
Cerebrovascular Accidents	4	50	4 - 82	4	75	3 - 80
Gastrointestinal Catastrophes	1	0	0 - 98	0	-	-
Infectious Disease	0	-	-	1	0	0 - 98
Metabolic/Electrolyte Disorders	5	20	1 - 78	9	22	3 - 63
Pulmonary Disease	7	0	12 - 57	12	33	15 - 65
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	6	50	12 - 79	9	44	12 - 70
Severe Chronic Heart Disease	7	57	5 - 71	10	10	7 - 53
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	4	0	0 -100	5	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	6	0	0 -100	10	10	0 - 93
Musculoskeletal/Skin Conditions	9	11	0 -100	7	0	0 - 99
Neuropsychiatric/Sensory Disease	2	0	0 -100	9	0	0 - 85
Urologic Disease	2	0	0 -100	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	17
Occupancy Rate (%):	35
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	3
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	8
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ARNOLD MEMORIAL HOSPITAL

P O BOX 338-601 LOUISIANA AVE
ADRIAN, MN 56110

Medicare Hospital Provider Number: 240127

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	81	9	10 - 23	97	19	8 - 24
Cancer	1	100	3 - 99	1	100	1 -100
Cerebrovascular Accidents	6	17	8 - 69	5	60	3 - 77
Gastrointestinal Catastrophes	1	0	0 - 98	2	100	11 - 95
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	2	0	0 - 99	4	50	1 - 88
Pulmonary Disease	13	8	11 - 49	9	56	7 - 67
Renal Failure	1	0	1 - 97	0	-	-
Severe Acute Heart Disease	3	33	7 - 87	4	25	9 - 82
Severe Chronic Heart Disease	3	0	1 - 83	5	20	5 - 74
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	5	0	0 -100	10	0	0 - 99
Gynecologic Disease	1	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	6	0	0 -100	6	0	0 - 99
Musculoskeletal/Skin Conditions	12	8	0 -100	12	8	0 - 98
Neuropsychiatric/Sensory Disease	2	0	0 -100	4	0	0 -100
Urologic Disease	2	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 58
Occupancy Rate (%): 81
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 5
Percent of Physicians Who Are Board Certified Specialists: 80
Interns and Residents: 0
Registered Nurses: 4
Licensed Practical Nurses: 1

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

BETHESDA LUTHERAN HOSPITAL

559 CAPITOL BOULEVARD
SAINT PAUL, MN 55103

Medicare Hospital Provider Number: 240046

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	894	13	10 - 16	1,387	12	11 - 15
Cancer	49	43	26 - 56	51	22	26 - 52
Cerebrovascular Accidents	53	28	15 - 40	80	22	18 - 39
Gastrointestinal Catastrophes	5	40	5 - 78	16	31	13 - 59
Infectious Disease	12	50	15 - 68	18	33	15 - 60
Metabolic/Electrolyte Disorders	17	29	5 - 52	14	14	8 - 51
Pulmonary Disease	52	31	15 - 42	60	27	16 - 41
Renal Failure	4	50	4 - 84	5	40	11 - 85
Severe Acute Heart Disease	35	26	22 - 53	76	34	30 - 53
Severe Chronic Heart Disease	42	19	13 - 39	77	26	14 - 35
Severe Trauma	2	0	0 - 95	2	0	4 - 89
Gastrointestinal Disease	54	4	0 - 20	91	1	2 - 9
Gynecologic Disease	10	0	0 -100	13	0	0 -100
Low-Risk Heart Disease	84	4	1 - 12	149	1	2 - 6
Musculoskeletal/Skin Conditions	79	3	0 - 15	140	1	1 - 7
Neuropsychiatric/Sensory Disease	25	8	0 - 90	48	2	0 - 31
Urologic Disease	53	0	0 - 13	76	0	1 - 8

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	279
Occupancy Rate (%):	85
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	137
Percent of Physicians Who Are Board Certified Specialists:	82
Interns and Residents:	0
Registered Nurses:	154
Licensed Practical Nurses:	38

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CALEDONIA HEALTH CARE CENTER INC

425 BADGER STREET
CALEDONIA, MN 55921

Medicare Hospital Provider Number: 240118

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	52	15	8 - 29	55	15	5 - 26
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	1	0	0 - 98	2	50	2 - 92
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	2	0	6 - 90	0	-	-
Metabolic/Electrolyte Disorders	3	67	1 - 89	1	0	0 -100
Pulmonary Disease	9	11	4 - 55	6	0	1 - 64
Renal Failure	1	100	3 - 98	0	-	-
Severe Acute Heart Disease	1	100	2 - 97	1	100	2 - 98
Severe Chronic Heart Disease	8	13	6 - 59	6	33	4 - 73
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	1	0	0 -100	4	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	2	0	0 -100	7	0	0 - 88
Musculoskeletal/Skin Conditions	4	25	0 -100	4	0	0 - 99
Neuropsychiatric/Sensory Disease	1	0	0 -100	3	0	0 -100
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	92
Occupancy Rate (%):	78
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CAMBRIDGE MEMORIAL HOSP

725 DELLWOOD SOUTH
CAMBRIDGE, MN 55008

Medicare Hospital Provider Number: 240020

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	369	18	12 - 20	659	11	10 - 16
Cancer	12	67	22 - 73	12	50	23 - 75
Cerebrovascular Accidents	25	36	13 - 50	33	30	16 - 48
Gastrointestinal Catastrophes	5	60	7 - 79	9	11	8 - 59
Infectious Disease	7	14	7 - 65	7	14	9 - 67
Metabolic/Electrolyte Disorders	6	0	4 - 59	32	9	10 - 38
Pulmonary Disease	35	29	18 - 50	42	24	15 - 43
Renal Failure	2	50	3 - 92	4	100	16 - 84
Severe Acute Heart Disease	16	25	19 - 62	26	27	24 - 59
Severe Chronic Heart Disease	27	41	10 - 47	40	35	12 - 43
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	20	5	0 - 47	54	6	0 - 29
Gynecologic Disease	0	-	-	10	0	0 -100
Low-Risk Heart Disease	48	4	1 - 18	93	3	1 - 11
Musculoskeletal/Skin Conditions	30	3	1 - 27	70	0	0 - 10
Neuropsychiatric/Sensory Disease	6	0	0 - 85	18	6	0 - 85
Urologic Disease	20	15	0 - 87	31	0	0 - 46

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	86
Occupancy Rate (%):	43
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	21
Percent of Physicians Who Are Board Certified Specialists:	76
Interns and Residents:	0
Registered Nurses:	62
Licensed Practical Nurses:	15

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MEMORIAL HOSPITAL
CAMBRIDGE

Clayton R. Peterson
Chief Executive Officer

October 12, 1988

Health Care Financing Administration
Attention: Sandra Kappert
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, MD 21207

Dear Ms. Kappert:

In response to the Medicare Hospital Mortality Information (1987), Memorial Hospital in Cambridge, Minnesota, wishes to comment to the accuracy of the hospital characteristics data and the statistical information in regard to Medicare hospital mortality.

The 1986 and 1987 AHA survey information indicates that Memorial Hospital has 86 beds. (See item # 26 on AHA survey.) We question the basis for the occupancy rate and staffing statistics. Under Specialty Services, Memorial Hospital reported a Coronary Care Unit of six beds - mixed ICU/CCU. (See item # 7 on AHA survey.)

We want to emphasize that the statistics reported are not Memorial Hospital's death rate. HCFA reported any death that has occurred within 30 days of the last hospital admission. Cambridge is a community that has a large retirement population with expanding senior housing and excellent nursing homes. The reported statistics do no reflect in-house hospital deaths.

While Memorial Hospital mortality statistics fall within the range of predicted mortality, as calculated by HCFA for the calendar year 1987, there are many changes in health care that need to be considered by the hospital and its medical staff when evaluating this date in relationship to quality care. For example: 1) It is a fact that the younger, healthier (and those who can afford it) Medicare patients have been picked up by HMOs while some patients have been left with only Medicare coverage. 2) Percentages used in this report are misleading because many Medicare patients previously treated as inpatients are now outpatients. Today patients, who normally would have been admitted to the hospital two or three years ago, are being treated as outpatients. It is deceiving to use the number of Medicare inpatients as the denominator for basing mortality statistics. The sicker, more seriously ill patients are now considered the baseline for this data.

Some interesting statistics are:

- Medicare inpatient discharges for 1987 were only 63% of those for 1986.
- In reverse there were 37% more Short Stay Medicare patients in 1987 than in 1986. This percentage more than doubled from 1985 to 1987. (107% more in 1987 than 1985.)

Memorial Hospital has a Quality Assurance Program in place which monitors patient care. Peer Review is done by the medical staff and all cases are evaluated for quality of care. This program coordinates and maintains the high standard of care that Memorial Hospital offers its patients.

Sincerely,

Clayton R Peterson

Clayton R. Peterson
President

CANBY COMMUNITY HOSPITAL

112 ST OLAF AVENUE
CANBY, MN 56220

Medicare Hospital Provider Number: 240077

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	153	10	7 - 18	150	21	9 - 22
Cancer	2	50	6 - 94	1	100	3 - 98
Cerebrovascular Accidents	10	20	10 - 60	4	25	3 - 80
Gastrointestinal Catastrophes	0	-	-	2	50	3 - 92
Infectious Disease	0	-	-	3	0	6 - 80
Metabolic/Electrolyte Disorders	3	67	3 - 86	3	67	2 - 86
Pulmonary Disease	4	75	10 - 83	18	17	12 - 49
Renal Failure	0	-	-	2	100	11 - 97
Severe Acute Heart Disease	10	40	15 - 70	8	63	11 - 71
Severe Chronic Heart Disease	8	25	5 - 64	8	38	5 - 67
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	17	0	0 - 35	17	6	0 - 59
Gynecologic Disease	3	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	13	0	0 - 55	11	0	0 - 66
Musculoskeletal/Skin Conditions	13	0	0 - 96	16	6	0 - 83
Neuropsychiatric/Sensory Disease	4	0	0 -100	0	-	-
Urologic Disease	17	0	0 -100	9	11	0 - 96

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 98
Occupancy Rate (%): 81
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 3
Percent of Physicians Who Are Board Certified Specialists: 100
Interns and Residents: 0
Registered Nurses: 9
Licensed Practical Nurses: 2

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

CASS LAKE PHS INDIAN HOSP

3RD AVENUE WEST AND 7TH STREET
CASS LAKE, MN 56633

Medicare Hospital Provider Number: 240205

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	35	14	3 - 30	35	6	5 - 24
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	1	100	0 - 97	3	33	5 - 86
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	2	0	0 - 98
Pulmonary Disease	2	0	2 - 89	2	50	4 - 92
Renal Failure	1	0	0 -100	1	0	3 - 98
Severe Acute Heart Disease	2	100	10 - 93	0	-	-
Severe Chronic Heart Disease	1	0	0 -100	1	0	0 - 99
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	1	0	0 -100	1	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	2	0	0 -100	6	0	0 - 99
Musculoskeletal/Skin Conditions	6	0	0 -100	5	0	0 -100
Neuropsychiatric/Sensory Disease	1	100	0 -100	2	0	0 -100
Urologic Disease	0	-	-	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	23
Ownership/Control:	Federal Government

STAFFING

Interns and Residents:	0
Registered Nurses:	0
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

CHIPPEWA CO-MONTEVIDEO HOSP

824 NORTH 11TH ST
MONTEVIDEO, MN 56265

Medicare Hospital Provider Number: 240082

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	286	19	10 - 19	296	15	9 - 18
Cancer	8	25	13 - 70	13	54	14 - 65
Cerebrovascular Accidents	19	37	9 - 52	17	41	8 - 54
Gastrointestinal Catastrophes	4	50	3 - 82	1	0	0 - 97
Infectious Disease	6	67	10 - 77	5	20	10 - 78
Metabolic/Electrolyte Disorders	1	100	3 - 98	6	0	6 - 59
Pulmonary Disease	18	11	13 - 47	15	27	7 - 53
Renal Failure	2	100	9 - 99	1	100	3 - 99
Severe Acute Heart Disease	16	25	20 - 62	19	37	19 - 61
Severe Chronic Heart Disease	24	58	8 - 48	23	22	12 - 47
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	31	0	0 - 26	36	0	0 - 20
Gynecologic Disease	2	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	21	10	0 - 54	28	4	0 - 39
Musculoskeletal/Skin Conditions	22	5	0 - 40	20	5	0 - 97
Neuropsychiatric/Sensory Disease	7	0	0 - 97	7	0	0 -100
Urologic Disease	12	0	0 -100	17	0	0 - 77

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	35
Occupancy Rate (%):	(not available)
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

CHISAGO LAKES HOSPITAL

HIGHWAY 8
CHISAGO CITY, MN 55013

Medicare Hospital Provider Number: 240028

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	235	11	9 - 18	283	15	10 - 19
Cancer	2	0	3 - 88	8	38	12 - 72
Cerebrovascular Accidents	19	32	10 - 52	18	39	13 - 57
Gastrointestinal Catastrophes	1	0	0 - 99	2	0	2 - 89
Infectious Disease	1	0	0 - 99	2	100	1 - 89
Metabolic/Electrolyte Disorders	6	0	2 - 62	10	30	7 - 63
Pulmonary Disease	13	15	12 - 54	22	18	13 - 48
Renal Failure	1	100	3 - 98	0	-	-
Severe Acute Heart Disease	15	40	18 - 65	19	26	24 - 63
Severe Chronic Heart Disease	19	16	9 - 45	12	42	7 - 60
Severe Trauma	2	0	2 - 89	0	-	-
Gastrointestinal Disease	20	0	0 - 42	18	6	0 - 45
Gynecologic Disease	2	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	20	0	1 - 28	34	3	0 - 26
Musculoskeletal/Skin Conditions	19	5	0 -100	18	6	0 - 97
Neuropsychiatric/Sensory Disease	6	0	0 -100	6	0	0 -100
Urologic Disease	7	0	0 -100	15	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	89
Occupancy Rate (%):	58
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	14
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	28
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CHISAGO HEALTH SERVICES
11685 Lake Boulevard North
Chisago City, Minnesota 55013
257-2500 674-4431 462-7600
"Care by People Who Care"

Medicare Provider #240028

HCFA
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2, Meadows East Building
6325 Security Blvd.
Baltimore, Maryland 21207

Dear Mrs. Kappert:

I am sending this letter to correct the hospital characteristics information which has been included on the 1987 Medicare Hospital Mortality Information Sheet which Dr. Roper forwarded to me in his September 15, 1988 letter. The hospital characteristics should be reflected as follows:

- Number of beds - 49
- Occupancy rate percentage - 29%
- Percent of physicians who are Board-Certified specialists - 92%

Please make these corrections on our report so that the correct information will be contained in the upcoming report from your department. Thank you very much for your cooperation in this matter.

Sincerely,

Scott Wordelman
President

/alk

CLEARWATER CO MEMORIAL HOSP

203 4TH STREET NORTHWEST
BAGLEY, MN 56621

Medicare Hospital Provider Number: 240096

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	150	13	12 - 23	181	25	11 - 24
Cancer	5	40	8 - 79	3	67	6 - 87
Cerebrovascular Accidents	11	36	7 - 61	13	77	12 - 58
Gastrointestinal Catastrophes	0	-	-	1	0	3 - 98
Infectious Disease	1	0	0 - 98	2	50	8 - 98
Metabolic/Electrolyte Disorders	3	0	2 - 81	12	42	7 - 62
Pulmonary Disease	27	22	16 - 49	22	32	11 - 50
Renal Failure	2	50	8 - 98	1	100	3 - 98
Severe Acute Heart Disease	5	20	11 - 77	9	67	14 - 70
Severe Chronic Heart Disease	7	43	5 - 71	14	43	9 - 58
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	7	0	0 -100	10	0	0 - 92
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	15	0	0 - 47	18	6	1 - 41
Musculoskeletal/Skin Conditions	10	0	0 - 86	9	0	0 - 92
Neuropsychiatric/Sensory Disease	0	-	-	2	0	0 -100
Urologic Disease	9	0	0 - 98	9	0	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	26
Occupancy Rate (%):	27
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	20
Percent of Physicians Who Are Board Certified Specialists:	40
Interns and Residents:	0
Registered Nurses:	10
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COMFREY HOSPITAL INC
BOX 38
COMFREY, MN 56019

Medicare Hospital Provider Number: 240192

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	43	2	6 - 19	63	14	7 - 26
Cancer	0	-	-	3	67	10 - 90
Cerebrovascular Accidents	1	0	0 - 98	3	0	3 - 79
Gastrointestinal Catastrophes	0	-	-	1	100	2 - 97
Infectious Disease	0	-	-	1	0	2 - 97
Metabolic/Electrolyte Disorders	2	0	2 - 88	0	-	-
Pulmonary Disease	3	0	3 - 79	3	33	4 - 86
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	5	80	14 - 80
Severe Chronic Heart Disease	2	50	1 - 92	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	4	0	0 -100	4	0	0 - 98
Gynecologic Disease	0	-	-	2	0	0 -100
Low-Risk Heart Disease	7	0	0 - 97	6	0	0 - 81
Musculoskeletal/Skin Conditions	2	0	2 - 88	4	0	0 -100
Neuropsychiatric/Sensory Disease	2	0	0 -100	3	0	0 -100
Urologic Disease	5	0	0 -100	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	8
Occupancy Rate (%):	25
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	12
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	3
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COMMUNITY HOSPITAL

1116 MILL STREET
CANNON FALLS, MN 55009

Medicare Hospital Provider Number: 240089

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	152	12	9 - 20	152	18	11 - 24
Cancer	5	100	17 - 73	3	0	5 - 79
Cerebrovascular Accidents	7	0	11 - 56	6	33	7 - 74
Gastrointestinal Catastrophes	1	0	0 - 99	2	0	3 - 88
Infectious Disease	0	-	-	4	0	15 - 78
Metabolic/Electrolyte Disorders	7	43	7 - 73	6	50	2 - 76
Pulmonary Disease	14	21	13 - 57	12	33	11 - 62
Renal Failure	1	100	3 - 99	0	-	-
Severe Acute Heart Disease	1	0	2 - 98	9	89	22 - 69
Severe Chronic Heart Disease	13	15	8 - 51	17	35	12 - 56
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	9	0	0 -100	9	0	0 - 97
Gynecologic Disease	3	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	18	0	0 - 56	10	20	0 -100
Musculoskeletal/Skin Conditions	12	0	0 -100	17	0	0 - 98
Neuropsychiatric/Sensory Disease	4	0	0 -100	4	0	0 - 91
Urologic Disease	4	25	0 -100	7	0	0 - 70

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	21
Occupancy Rate (%):	29
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COMMUNITY HOSPITAL

305 EAST LUVERNE STREET
LUVERNE, MN 56156

Medicare Hospital Provider Number: 240128

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	302	13	12 - 20	325	13	13 - 21
Cancer	10	30	18 - 72	7	71	21 - 82
Cerebrovascular Accidents	15	27	12 - 57	26	38	16 - 53
Gastrointestinal Catastrophes	3	67	2 - 87	5	20	4 - 74
Infectious Disease	1	100	3 - 99	4	25	10 - 84
Metabolic/Electrolyte Disorders	5	20	2 - 75	4	0	2 - 73
Pulmonary Disease	21	43	18 - 59	22	9	21 - 49
Renal Failure	1	100	1 - 97	2	50	2 - 92
Severe Acute Heart Disease	15	53	22 - 69	17	29	23 - 65
Severe Chronic Heart Disease	24	13	12 - 41	28	21	11 - 43
Severe Trauma	0	-	-	1	0	1 - 97
Gastrointestinal Disease	36	3	0 - 28	28	4	0 - 34
Gynecologic Disease	6	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	27	7	0 - 40	29	0	1 - 19
Musculoskeletal/Skin Conditions	23	4	0 - 41	20	0	0 - 70
Neuropsychiatric/Sensory Disease	4	0	0 - 99	5	0	0 -100
Urologic Disease	7	14	0 - 98	9	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 38
Occupancy Rate (%): 40
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 12
Percent of Physicians Who Are Board Certified Specialists: 100
Interns and Residents: 0
Registered Nurses: 10
Licensed Practical Nurses: 8

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

COMMUNITY MEM HOSP, INC

800 MEMORIAL DR
SPRING VALLEY, MN 55975

Medicare Hospital Provider Number: 240105

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	154	13	10 - 21	131	13	11 - 23
Cancer	4	50	10 - 86	6	100	27 - 77
Cerebrovascular Accidents	8	25	9 - 66	9	33	13 - 70
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	1	100	0 - 98	2	50	2 - 92
Metabolic/Electrolyte Disorders	11	9	3 - 52	10	0	8 - 46
Pulmonary Disease	19	47	13 - 57	9	11	6 - 56
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	5	20	15 - 81	2	0	9 - 92
Severe Chronic Heart Disease	11	9	10 - 51	9	11	8 - 57
Severe Trauma	1	0	0 - 97	0	-	-
Gastrointestinal Disease	6	0	0 - 82	6	0	0 - 97
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	12	0	0 - 69	14	0	0 - 69
Musculoskeletal/Skin Conditions	24	4	0 - 71	27	0	1 - 21
Neuropsychiatric/Sensory Disease	7	0	0 -100	3	0	0 - 99
Urologic Disease	1	0	0 -100	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	79
Occupancy Rate (%):	70
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	20
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	4
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COMMUNITY MEMORIAL HOSPITAL

SKYLINE BLVD
CLOQUET, MN 55720

Medicare Hospital Provider Number: 240045

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	248	13	9 - 18	329	17	11 - 20
Cancer	3	0	3 - 79	8	63	11 - 71
Cerebrovascular Accidents	12	58	9 - 61	26	50	15 - 52
Gastrointestinal Catastrophes	4	0	8 - 73	1	0	0 - 99
Infectious Disease	5	40	4 - 77	1	100	1 - 97
Metabolic/Electrolyte Disorders	8	13	8 - 62	4	0	4 - 71
Pulmonary Disease	20	20	9 - 46	29	24	14 - 47
Renal Failure	2	50	2 - 92	3	67	8 - 90
Severe Acute Heart Disease	12	25	14 - 62	30	40	23 - 58
Severe Chronic Heart Disease	15	27	8 - 53	23	22	10 - 45
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	27	0	1 - 21	28	0	1 - 21
Gynecologic Disease	3	0	0 -100	0	-	-
Low-Risk Heart Disease	26	4	0 - 45	39	3	0 - 22
Musculoskeletal/Skin Conditions	10	0	0 - 91	21	10	0 - 88
Neuropsychiatric/Sensory Disease	6	0	0 -100	14	7	0 - 77
Urologic Disease	8	13	0 - 98	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	165
Occupancy Rate (%):	61
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	11
Percent of Physicians Who Are Board Certified Specialists:	91
Interns and Residents:	0
Registered Nurses:	30
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HOSPITAL ID#: 240045

Cloquet Community Memorial Hospital

CLOQUET, MINNESOTA 55720 Telephone (218) 879-4641

JAMES J. CARROLL, Administrator

October 14, 1988

To: Health Standards & Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert

From: Community Memorial Hospital
Cloquet, MN 55720

Re: Comments on HCFA Mortality Report

In the area of Hospital Characteristics your report indicates that we do not have a Coronary Care Unit.

We do have a Coronary Care Unit.

Sincerely,

COMMUNITY MEMORIAL HOSPITAL

James J. Carroll

James J. Carroll
Administrator

JJC:mb

COMMUNITY MEMORIAL HOSPITAL

1002 COMSTOCK DRIVE
DEER RIVER, MN 56636

Medicare Hospital Provider Number: 240154

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	117	8	6 - 17	144	11	8 - 19
Cancer	1	0	1 - 97	3	100	15 - 87
Cerebrovascular Accidents	3	33	2 - 87	6	0	9 - 59
Gastrointestinal Catastrophes	0	-	-	1	0	3 - 99
Infectious Disease	4	25	5 - 80	1	0	0 - 98
Metabolic/Electrolyte Disorders	6	17	6 - 69	4	0	2 - 72
Pulmonary Disease	6	33	3 - 73	11	9	12 - 54
Renal Failure	1	100	3 - 98	0	-	-
Severe Acute Heart Disease	1	100	2 - 97	7	29	15 - 76
Severe Chronic Heart Disease	9	11	5 - 55	9	67	4 - 64
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	6	0	0 -100	7	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	17	0	0 - 66	21	0	0 - 28
Musculoskeletal/Skin Conditions	11	0	0 - 88	12	0	0 -100
Neuropsychiatric/Sensory Disease	6	0	0 -100	2	0	0 -100
Urologic Disease	3	0	0 -100	3	0	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 70
Occupancy Rate (%): 84
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 5
Percent of Physicians Who Are Board Certified Specialists: 100
Interns and Residents: 0
Registered Nurses: 9
Licensed Practical Nurses: 7

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

COMMUNITY MEMORIAL HOSPITAL-ESRD

855 MANKATO AVENUE
WINONA, MN 55987

Medicare Hospital Provider Number: 240044

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,016	12	10 - 15	1,037	13	10 - 16
Cancer	26	65	21 - 59	28	64	27 - 64
Cerebrovascular Accidents	43	21	16 - 41	54	31	15 - 41
Gastrointestinal Catastrophes	9	11	13 - 62	9	33	14 - 71
Infectious Disease	15	27	13 - 59	17	24	15 - 58
Metabolic/Electrolyte Disorders	36	14	11 - 41	44	23	10 - 41
Pulmonary Disease	49	22	14 - 40	51	25	12 - 39
Renal Failure	3	67	8 - 90	1	100	2 - 98
Severe Acute Heart Disease	50	40	28 - 56	48	44	27 - 56
Severe Chronic Heart Disease	68	22	13 - 34	67	27	15 - 38
Severe Trauma	1	100	2 - 97	0	-	-
Gastrointestinal Disease	78	1	1 - 10	72	3	0 - 15
Gynecologic Disease	11	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	87	5	1 - 14	79	3	2 - 11
Musculoskeletal/Skin Conditions	110	3	1 - 10	126	0	1 - 5
Neuropsychiatric/Sensory Disease	69	3	0 - 18	51	0	0 - 16
Urologic Disease	27	7	0 - 92	39	0	0 - 22

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	224
Occupancy Rate (%):	66
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	39
Percent of Physicians Who Are Board Certified Specialists:	97
Interns and Residents:	0
Registered Nurses:	77
Licensed Practical Nurses:	33

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COOK COMMUNITY H05PITAL

3RD CEDAR AVE
COOK, MN 55723

Medicare Hospital Provider Number: 240200

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	45	11	6 - 26	51	10	6 - 24
Cancer	0	-	-	1	100	3 - 99
Cerebrovascular Accidents	3	0	2 - 79	0	-	-
Gastrointestinal Catastrophes	0	-	-	2	0	3 - 88
Infectious Disease	1	0	1 - 97	0	-	-
Metabolic/Electrolyte Disorders	3	67	5 - 87	0	-	-
Pulmonary Disease	2	0	1 - 91	5	0	4 - 63
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	4	25	4 - 80	3	0	8 - 81
Severe Chronic Heart Disease	3	67	0 - 92	2	50	1 - 92
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	1	0	0 -100	3	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	7	0	0 - 99	9	0	0 - 97
Musculoskeletal/Skin Conditions	4	0	0 -100	4	0	0 -100
Neuropsychiatric/Sensory Disease	4	0	0 -100	1	100	0 -100
Urologic Disease	2	0	0 -100	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 55
Occupancy Rate (%): 80
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 5
Percent of Physicians Who Are Board Certified Specialists: 40
Interns and Residents: 0
Registered Nurses: 5
Licensed Practical Nurses: 3

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

COOK COUNTY NORTH SHORE HOSPITAL

GUNFLINT TRAIL
GRAND MARAIS, MN 55604

Medicare Hospital Provider Number: 240119

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	68	10	8 - 23	93	20	10 - 27
Cancer	1	100	3 -100	6	67	19 - 85
Cerebrovascular Accidents	4	0	6 - 71	3	33	2 - 86
Gastrointestinal Catastrophes	0	-	-	2	50	6 - 94
Infectious Disease	1	0	3 - 98	2	100	2 - 88
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	5	40	6 - 78	12	33	8 - 60
Renal Failure	0	-	-	2	50	5 - 94
Severe Acute Heart Disease	5	0	15 - 70	3	67	9 - 89
Severe Chronic Heart Disease	6	0	5 - 57	4	25	4 - 79
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	6	17	0 -100	3	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	10	0	0 - 98	7	0	0 - 98
Musculoskeletal/Skin Conditions	7	14	0 -100	6	0	0 -100
Neuropsychiatric/Sensory Disease	1	0	0 -100	3	0	0 -100
Urologic Disease	3	0	0 -100	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	63
Occupancy Rate (%):	57
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	6
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CUYUNA RANGE DIST HOSP

CROSBY, MN 56441

Medicare Hospital Provider Number: 240137

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	369	12	10 - 18	347	12	10 - 17
Cancer	7	43	15 - 78	7	100	31 - 76
Cerebrovascular Accidents	8	13	6 - 59	8	13	6 - 59
Gastrointestinal Catastrophes	2	50	7 - 96	7	57	11 - 75
Infectious Disease	1	100	1 - 97	2	0	4 - 88
Metabolic/Electrolyte Disorders	11	36	8 - 63	4	0	1 - 76
Pulmonary Disease	36	11	15 - 39	37	19	16 - 44
Renal Failure	0	-	-	2	50	3 - 93
Severe Acute Heart Disease	33	39	27 - 60	21	48	19 - 60
Severe Chronic Heart Disease	15	20	9 - 51	21	5	12 - 37
Severe Trauma	1	0	0 - 97	1	0	0 - 98
Gastrointestinal Disease	37	3	0 - 28	32	3	1 - 24
Gynecologic Disease	3	0	0 -100	0	-	-
Low-Risk Heart Disease	43	2	0 - 21	50	0	1 - 10
Musculoskeletal/Skin Conditions	27	0	0 - 57	20	0	0 - 80
Neuropsychiatric/Sensory Disease	14	7	0 - 99	9	22	0 - 92
Urologic Disease	21	0	0 - 70	18	0	0 - 78

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	172
Occupancy Rate (%):	83
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	12
Percent of Physicians Who Are Board Certified Specialists:	58
Interns and Residents:	0
Registered Nurses:	21
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Cuyuna Range Hospital and Home
Dedicated to you everyday. Crosby, MN 56441
Telephone: (218) 546-5147

October 18, 1988

Medicare Provider No. 24-0137

Upon reviewing the statistics of the Medicare Hospital Mortality Information, we find them to be correct.

The one deviation from the range for predicted mortality fell within the category of infectious disease. However, this represented only one case total and that case resulted in a death.

Despite the fact that we are located in an area with an elderly population and a large proportion of our patients are Medicare patients, we are within the range for predicted mortality in all other areas.

Some hospital characteristics obtained from the American Hospital Association are incorrect. The updated statistics are as follows:

Beds 42
Of these, 4 are CCU/ICU, 2 are OB beds

Staffing:
Total number of physicians: 9 active medical staff, excluding dentists

Percent of physicians who are board certified specialists:

6 Board Certified
4 Family Practice
2 Surgery

Speciality Services:

Shock/trauma unit	Yes
Coronary Care Unit	yes (Combined CCU/ICU)
Hospice Care	Yes
Organ Transplant Service	No

We question where this statistical data was obtained because our copy of the reporting form completed for the AHA does not reflect the data printed on the Medicare Hospital Mortality Information Sheet.

Contact Person: Mary Lou Houle, Patient Care Administrator
Cuyuna Range District Hospital
Crosby, MN 56441
Telephone: 218/546-5147, Ext. 303

DISTRICT MEMORIAL HOSPITAL

246 11TH AVENUE SE
FOREST LAKE, MN 55025

Medicare Hospital Provider Number: 240050

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	190	15	8 - 19	256	13	8 - 17
Cancer	4	50	4 - 82	5	40	6 - 78
Cerebrovascular Accidents	10	40	5 - 63	12	25	9 - 58
Gastrointestinal Catastrophes	1	100	0 - 98	3	0	3 - 79
Infectious Disease	5	60	6 - 78	1	100	0 - 98
Metabolic/Electrolyte Disorders	4	25	2 - 80	10	10	4 - 54
Pulmonary Disease	11	27	5 - 59	13	8	10 - 48
Renal Failure	2	50	8 - 97	4	75	10 - 86
Severe Acute Heart Disease	14	21	15 - 59	12	33	15 - 66
Severe Chronic Heart Disease	9	0	7 - 45	14	21	8 - 52
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	16	6	0 - 68	18	0	0 - 54
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	19	11	0 - 77	34	0	0 - 17
Musculoskeletal/Skin Conditions	15	0	0 - 89	20	0	0 - 81
Neuropsychiatric/Sensory Disease	4	0	0 -100	9	0	0 - 95
Urologic Disease	2	0	0 -100	7	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	44
Occupancy Rate (%):	32
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	15
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	27
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

DIVINE PROVIDENCE HOSP

312 E GEORGE ST
IVANHOE, MN 56142

Medicare Hospital Provider Number: 240184

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	154	14	11 - 23	149	10	9 - 19
Cancer	4	50	13 - 89	1	0	2 -100
Cerebrovascular Accidents	7	43	14 - 77	3	67	2 - 86
Gastrointestinal Catastrophes	1	0	1 - 97	1	0	0 - 98
Infectious Disease	1	0	0 - 98	2	50	3 - 92
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	17	18	17 - 55	19	16	14 - 50
Renal Failure	0	-	-	1	100	3 - 99
Severe Acute Heart Disease	10	80	22 - 71	10	30	16 - 69
Severe Chronic Heart Disease	10	0	17 - 51	5	40	2 - 78
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	14	0	0 - 49	14	0	0 - 67
Gynecologic Disease	2	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	21	5	0 - 59	22	5	0 - 48
Musculoskeletal/Skin Conditions	17	0	0 - 89	16	0	0 - 90
Neuropsychiatric/Sensory Disease	1	0	0 -100	4	0	0 -100
Urologic Disease	9	0	0 - 88	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	79
Occupancy Rate (%):	70
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	3
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	5
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

DIVINE REDEEMER MEMO HOSP

724 19TH AVE NORTH
SOUTH SAINT PAUL, MN 55075

Medicare Hospital Provider Number: 240003

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	426	13	9 - 16	541	14	9 - 16
Cancer	14	36	19 - 67	11	27	13 - 65
Cerebrovascular Accidents	16	38	8 - 55	20	35	10 - 51
Gastrointestinal Catastrophes	3	67	4 - 86	4	75	6 - 80
Infectious Disease	2	0	4 - 89	4	25	5 - 80
Metabolic/Electrolyte Disorders	12	8	14 - 55	11	9	7 - 52
Pulmonary Disease	20	20	11 - 48	19	26	10 - 50
Renal Failure	1	100	2 - 97	0	-	-
Severe Acute Heart Disease	28	43	22 - 58	46	54	24 - 54
Severe Chronic Heart Disease	24	29	7 - 45	31	39	13 - 47
Severe Trauma	1	100	0 - 98	3	33	2 - 87
Gastrointestinal Disease	27	7	0 - 78	39	3	0 - 34
Gynecologic Disease	2	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	51	4	1 - 18	61	3	1 - 14
Musculoskeletal/Skin Conditions	45	0	0 - 19	34	0	0 - 29
Neuropsychiatric/Sensory Disease	16	6	0 - 60	20	5	0 - 99
Urologic Disease	28	4	0 - 99	28	0	0 - 23

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	98
Occupancy Rate (%):	52
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	98
Percent of Physicians Who Are Board Certified Specialists:	82
Interns and Residents:	0
Registered Nurses:	52
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

DOUGLAS COUNTY HOSPITAL

111 17TH AVENUE EAST
ALEXANDRIA, MN 56308

Medicare Hospital Provider Number: 240030

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	648	12	10 - 16	902	9	10 - 15
Cancer	24	58	22 - 62	27	48	22 - 61
Cerebrovascular Accidents	26	35	13 - 50	38	29	17 - 47
Gastrointestinal Catastrophes	5	60	7 - 79	6	33	15 - 81
Infectious Disease	11	18	16 - 64	10	20	19 - 70
Metabolic/Electrolyte Disorders	12	17	6 - 55	22	5	11 - 40
Pulmonary Disease	30	13	14 - 42	32	3	13 - 33
Renal Failure	5	80	16 - 87	4	25	12 - 89
Severe Acute Heart Disease	35	23	22 - 52	55	27	28 - 53
Severe Chronic Heart Disease	23	17	9 - 42	44	30	13 - 41
Severe Trauma	1	0	3 - 99	1	100	2 - 98
Gastrointestinal Disease	64	6	1 - 18	74	0	1 - 8
Gynecologic Disease	7	0	0 -100	12	0	0 -100
Low-Risk Heart Disease	42	5	0 - 33	68	4	1 - 16
Musculoskeletal/Skin Conditions	85	2	1 - 11	126	3	1 - 10
Neuropsychiatric/Sensory Disease	20	5	0 - 80	17	6	0 - 91
Urologic Disease	53	2	0 - 19	48	0	0 - 29

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	71
Occupancy Rate (%):	63
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	38
Percent of Physicians Who Are Board Certified Specialists:	92
Interns and Residents:	0
Registered Nurses:	98
Licensed Practical Nurses:	30

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

douglas county hospital
111 - 17th avenue east, alexandria, minnesota 56308 • (612) 762-1511 • TDD/V

October 18, 1988

Ms. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, MD 21207

Dear Ms. Kappert:

I would like to correct some of the information portrayed on the Medicare Hospital Mortality Information sheet for our facility. Attached you will find information regarding the "Hospital Characteristics." I have highlighted with red the information which is incorrect and I have attached supporting data from the 1986 AHA Survey to help make the changes.

1. Beds - Douglas County Hospital is licensed for 130 beds.

2. Percent of Physicians who are Board Certified Specialists - 84% of our physician specialists are board certified.

3. Coronary Care Unit - Douglas County Hospital has a combined Intensive Care Unit and Coronary Care Unit with eight beds.

If you have any questions, please do not hesitate to contact me.

Sincerely,

William G. Flaig
Administrator

WGF/lib

Enclosure

DR HENRY SCHMIDT MEMORIAL HOSPITAL

920 BELL AVE
WESTBROOK, MN 56183

Medicare Hospital Provider Number: 240125

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	63	14	9 - 27	60	13	11 - 29
Cancer	0	-	-	1	0	3 - 99
Cerebrovascular Accidents	2	50	1 - 92	3	33	9 - 90
Gastrointestinal Catastrophes	1	0	3 - 98	0	-	-
Infectious Disease	0	-	-	2	50	3 - 92
Metabolic/Electrolyte Disorders	1	0	1 - 97	1	0	0 -100
Pulmonary Disease	10	50	11 - 67	12	17	11 - 56
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	4	50	8 - 84	2	100	5 - 89
Severe Chronic Heart Disease	6	17	5 - 68	4	0	8 - 72
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	6	0	0 -100	2	0	0 -100
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	8	0	1 - 54	8	13	0 - 99
Musculoskeletal/Skin Conditions	10	0	0 -100	8	0	0 - 79
Neuropsychiatric/Sensory Disease	1	0	0 -100	0	-	-
Urologic Disease	3	0	0 -100	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	12
Occupancy Rate (%):	17
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	2
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	4
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ELY BLOOMENSON COMMUNITY HOSPITAL

328 W CONAN STREET
ELY, MN 55731

Medicare Hospital Provider Number: 240155

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	124	15	9 - 22	176	20	9 - 21
Cancer	6	67	17 - 82	3	67	3 - 86
Cerebrovascular Accidents	9	22	6 - 61	10	30	7 - 62
Gastrointestinal Catastrophes	0	-	-	2	100	7 - 90
Infectious Disease	1	100	2 - 97	3	67	4 - 86
Metabolic/Electrolyte Disorders	0	-	-	5	20	2 - 75
Pulmonary Disease	9	11	6 - 56	13	23	10 - 57
Renal Failure	1	100	3 - 99	1	100	0 - 98
Severe Acute Heart Disease	7	43	13 - 77	11	64	19 - 72
Severe Chronic Heart Disease	11	18	6 - 55	13	46	9 - 60
Severe Trauma	1	0	2 - 97	0	-	-
Gastrointestinal Disease	8	0	0 -100	7	14	0 -100
Gynecologic Disease	2	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	19	0	0 - 45	30	0	0 - 29
Musculoskeletal/Skin Conditions	10	10	0 -100	22	9	0 - 84
Neuropsychiatric/Sensory Disease	5	0	0 -100	6	17	0 -100
Urologic Disease	1	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	138
Occupancy Rate (%):	76
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	6
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	18
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

EVELETH FITZGERALD COMMUNITY HOSPITA

MCKINLEY AVENUE
EVELETH, MN 55734

Medicare Hospital Provider Number: 240176

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	15	20	4 - 49	67	21	7 - 28
Cancer	0	-	-	2	100	9 - 93
Cerebrovascular Accidents	0	-	-	3	100	7 - 80
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	1	0	2 - 97
Metabolic/Electrolyte Disorders	1	100	3 - 98	4	50	7 - 84
Pulmonary Disease	2	0	1 - 90	3	33	1 - 88
Renal Failure	0	-	-	1	100	3 - 98
Severe Acute Heart Disease	1	100	1 - 97	0	-	-
Severe Chronic Heart Disease	3	33	2 - 86	6	17	3 - 68
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	1	0	0 -100	3	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	5	20	0 -100
Musculoskeletal/Skin Conditions	1	0	0 -100	8	0	0 -100
Neuropsychiatric/Sensory Disease	0	-	-	0	-	-
Urologic Disease	0	-	-	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	50
Occupancy Rate (%):	50
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	29
Percent of Physicians Who Are Board Certified Specialists:	34
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

EVELETH FITZGERALD COMMUNITY HOSPITAL

PHONE 744-1950

Eveleth, Minnesota 55734

October 20, 1988

Ms. Sandra Kappert
Health Care Financing Administration
Helath Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, Maryland 21207

RE: MEDICARE PROVIDER NUMBER 240176

Dear Ms. Kappert:

I would first like to respond to the 1986 statistics regarding the Eveleth Fitzgerald's occupancy rate. There were 53 Medicare patients admitted during our fiscal year of July 1, 1985 through June 30, 1986. Those Medicare patients had a total of 291 patient days, an average daily census of .8% and an occupancy rate of 3.1%. The average length of stay was 5.5 days. This differs from your calculation of 52%. Please make this correction. All of our acute patients together totaled an average occupancy rate of 8.8%. Your statistics are in error.

SEVERE CHRONIC HEART DISEASE, 3 cases, mortality rate 33% with a predicted rate of 86%.

1. Number [redacted] 71 yr. old in poor health for some time with end stage COPD and severe CHF. Diabetic who also smoked many years. Admitted to our faciluty and transferred to nursing home where apparently expired.

   The other two cases referred to were treated at our facility, discharged and apparently expired within one year of discharge.

GASTROINTESTINAL DISEASE, 1 case, mortality rate 0%, predicted 0.

SEVERE ACUTE HEART DISEASE, 1 case, mortality rate 100%, predicted rate of 97%.

1. [redacted] 81 year old patient transferred from CNCN with diagnosis of acute MI, elevated blood sugar, gout, expiring three hours after admission.

METABOLIC/ELECTROLYTE DISTURBANCES, 1 case, mortality rate 100%, predicted range 3 cases with 98%

1. [redacted] 78 yr old admitted for terminal care because of advanced cancer of urinary bladder. Treated with radiation therapy elsewhere. Fluids given per IV and electrolytes by clysis. Progressive deterioration and expired.

MUSCULOSKELETAL AND CUTANEOUS CONDITIONS, 1 case, mortality rate 0%

PULMONARY DISEASE, 1 case, mortality rate 0%

We would like to point out that 90-95% of our Medicare and Medicare HMO admissions are transferred to our facility for convalescent care. With this, our mortality rate may be expectedly high.

Sincerely,

Barbara Johnson

Barbara Johnson, RRA
Medical Record Department

FAIRMONT COMMUNITY HOSP

835 JOHNSON STREET
FAIRMONT, MN 56031

Medicare Hospital Provider Number: 240166

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	560	14	10 - 16	620	14	9 - 16
Cancer	9	44	14 - 72	17	65	28 - 73
Cerebrovascular Accidents	23	35	10 - 49	36	22	14 - 43
Gastrointestinal Catastrophes	2	50	2 - 92	3	33	4 - 86
Infectious Disease	5	40	8 - 80	1	0	2 - 97
Metabolic/Electrolyte Disorders	18	50	16 - 62	10	20	5 - 59
Pulmonary Disease	40	20	15 - 42	19	26	10 - 50
Renal Failure	5	80	12 - 83	0	-	-
Severe Acute Heart Disease	40	38	23 - 54	49	37	27 - 55
Severe Chronic Heart Disease	17	18	8 - 47	21	38	7 - 49
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	56	9	0 - 28	70	0	1 - 8
Gynecologic Disease	10	0	0 -100	14	0	0 -100
Low-Risk Heart Disease	46	2	1 - 16	61	2	1 - 13
Musculoskeletal/Skin Conditions	31	3	0 - 33	34	6	0 - 51
Neuropsychiatric/Sensory Disease	7	0	0 - 98	11	0	0 -100
Urologic Disease	76	1	0 - 33	61	2	0 - 26

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	91
Occupancy Rate (%):	63
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	17
Percent of Physicians Who Are Board Certified Specialists:	18
Interns and Residents:	0
Registered Nurses:	34
Licensed Practical Nurses:	13

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

FAIRVIEW PRINCETON HOSPITAL

704 FIRST STREET
PRINCETON, MN 55371

Medicare Hospital Provider Number: 240141

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	155	15	9 - 21	219	9	8 - 17
Cancer	6	67	8 - 74	1	0	3 - 98
Cerebrovascular Accidents	2	0	1 - 89	7	29	7 - 69
Gastrointestinal Catastrophes	2	0	2 - 88	3	0	1 - 85
Infectious Disease	3	33	5 - 86	2	50	4 - 93
Metabolic/Electrolyte Disorders	4	25	1 - 84	4	25	4 - 80
Pulmonary Disease	15	53	12 - 60	16	25	10 - 54
Renal Failure	1	100	2 - 97	2	0	9 - 94
Severe Acute Heart Disease	5	20	10 - 77	7	57	12 - 75
Severe Chronic Heart Disease	10	20	10 - 60	17	29	9 - 52
Severe Trauma	1	0	0 - 99	0	-	-
Gastrointestinal Disease	12	8	0 - 98	20	0	0 - 43
Gynecologic Disease	2	0	1 - 89	2	0	0 -100
Low-Risk Heart Disease	24	0	0 - 29	34	3	0 - 38
Musculoskeletal/Skin Conditions	15	7	0 - 95	21	0	0 - 64
Neuropsychiatric/Sensory Disease	1	0	0 -100	5	0	0 -100
Urologic Disease	3	0	0 -100	7	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	35
Occupancy Rate (%):	37
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	40
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	21
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

FAIRVIEW RIDGES HOSPITAL

201 NICOLLET BOULEVARD
BURNSVILLE, MN 55337

Medicare Hospital Provider Number: 240207

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	344	10	6 - 14	382	13	9 - 16
Cancer	4	50	4 - 82	6	67	11 - 77
Cerebrovascular Accidents	16	31	9 - 54	19	32	8 - 50
Gastrointestinal Catastrophes	2	0	1 - 89	2	100	8 - 92
Infectious Disease	1	0	1 - 97	8	50	9 - 71
Metabolic/Electrolyte Disorders	4	0	2 - 73	10	40	6 - 64
Pulmonary Disease	29	14	7 - 36	25	16	12 - 43
Renal Failure	1	0	0 - 97	0	-	-
Severe Acute Heart Disease	19	53	15 - 59	22	41	19 - 59
Severe Chronic Heart Disease	13	15	6 - 50	19	21	10 - 48
Severe Trauma	1	0	2 - 97	1	0	0 - 98
Gastrointestinal Disease	33	6	0 - 52	38	3	0 - 38
Gynecologic Disease	2	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	40	2	0 - 27	31	3	0 - 31
Musculoskeletal/Skin Conditions	33	0	0 - 75	46	0	0 - 17
Neuropsychiatric/Sensory Disease	6	0	0 -100	10	0	0 - 85
Urologic Disease	9	0	0 - 99	15	7	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	150
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	98
Licensed Practical Nurses:	10

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	Yes

FAIRVIEW RIVERSIDE HOSPITAL

2312 S 6TH ST
MINNEAPOLIS, MN 55454

Medicare Hospital Provider Number: 240080

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	898	13	9 - 14	1,057	13	10 - 15
Cancer	29	21	21 - 53	30	33	20 - 56
Cerebrovascular Accidents	37	30	16 - 46	41	24	16 - 43
Gastrointestinal Catastrophes	12	17	11 - 58	8	50	10 - 72
Infectious Disease	7	29	8 - 71	8	63	8 - 70
Metabolic/Electrolyte Disorders	16	38	7 - 56	33	21	13 - 46
Pulmonary Disease	52	37	12 - 40	72	21	16 - 38
Renal Failure	2	100	10 - 94	6	83	17 - 84
Severe Acute Heart Disease	40	30	22 - 52	43	28	26 - 54
Severe Chronic Heart Disease	44	25	10 - 37	58	26	13 - 37
Severe Trauma	1	0	0 - 98	3	0	1 - 83
Gastrointestinal Disease	58	3	1 - 16	80	2	1 - 12
Gynecologic Disease	9	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	70	7	0 - 22	88	3	1 - 12
Musculoskeletal/Skin Conditions	98	1	0 - 11	146	5	1 - 11
Neuropsychiatric/Sensory Disease	31	10	0 - 71	32	0	0 - 36
Urologic Disease	25	8	0 - 96	52	4	0 - 29

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1984

Total Beds (#):	527
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	2
Registered Nurses:	321
Licensed Practical Nurses:	61

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

FAIRVIEW SOUTHDALE HOSPITAL

6401 FRANCE AVE S
EDINA, MN 55435

Medicare Hospital Provider Number: 240078

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,108	11	9 - 14	2,998	12	9 - 14
Cancer	74	32	26 - 51	117	34	25 - 47
Cerebrovascular Accidents	89	35	19 - 40	110	34	20 - 40
Gastrointestinal Catastrophes	16	25	11 - 56	26	31	15 - 54
Infectious Disease	22	36	20 - 61	21	48	18 - 61
Metabolic/Electrolyte Disorders	40	22	12 - 43	67	12	11 - 35
Pulmonary Disease	93	26	16 - 37	124	27	15 - 34
Renal Failure	11	64	14 - 75	5	40	9 - 83
Severe Acute Heart Disease	96	30	26 - 47	152	42	31 - 49
Severe Chronic Heart Disease	88	17	15 - 33	125	15	15 - 30
Severe Trauma	4	25	5 - 80	12	25	10 - 62
Gastrointestinal Disease	130	1	1 - 7	181	3	1 - 8
Gynecologic Disease	25	0	0 - 93	41	0	0 -100
Low-Risk Heart Disease	261	3	1 - 7	348	2	1 - 5
Musculoskeletal/Skin Conditions	228	3	0 - 7	348	3	1 - 6
Neuropsychiatric/Sensory Disease	55	0	0 - 14	67	3	0 - 26
Urologic Disease	88	1	0 - 17	136	1	0 - 8

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	351
Occupancy Rate (%):	60
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	289
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	13
Registered Nurses:	410
Licensed Practical Nurses:	50

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

Fairview
Southdale Hospital
A Division of Fairview

[illegible] France Avenue South
Edina MN 55435
612-924-5000
Fax 612-924-5012

October 10, 1988

Medicare Provider Number: 24-0078

William L. Roper, M.D., Administrator
Health Care Financing Administration
Department of Health and Human Services
Washington, DC 20201

Dear Doctor Roper:

Fairview Southdale is pleased to respond to your release of your 1987 Medicare Mortality Data received by this hospital in September, 1988.

Your letter accompanying the data release notes several changes in your reporting format. Among those changes is a listing of hospital characteristics. I would first like to respond to that section of your report. Using the 1988 American Hospital Association Guide, Fairview Southdale is listed as having a bed capacity of 351 beds. The occupancy rate is 60.4 percent. Fairview Southdale has a total of 780 physicians on its staff. Of that number, 347 are in the active staff category. The percentage of Board certified specialists, including Family Practice specialists, is greater than 90 percent. We have no interns or residents in this hospital. Our Nursing Service lists 324.4 full-time equivalents, or .92 registered nurses per bed. Our licensed practical nurse level is listed at 37.3 full-time equivalents, or 0.11 per bed.

Under the specialty services listing, we do have a state-of-the-art coronary intensive care unit and medical-surgical intensive care unit. However, we do not have a dedicated trauma or burn unit. We do have a hospice unit. The hospice unit is not yet Medicare certified. We do not have an organ transplant service.

In commenting on Fairview Southdale's mortality data, I would like to refer to our previous letter dated October 26, 1987. The mortality data for calendar year 1986 received last year has now been extensively analyzed. We have reviewed the 95 post-discharge deaths and found no unusual findings in that group of patients. As we suspected, most of these cases represent end-stage disease with death being the expected outcome. In addition, we have done focused review studies on two of the 1986 mortality categories that were called "sepsis" and "pulmonary disease". The sepsis numbers were quite small, and in almost all instances represented nearly moribund patients who expired in the first twenty-four to fourty-eight hours after admission. No significant defects in the care of these patients was uncovered upon our review. The pulmonary disease category represented a considerably larger number of cases. Deaths in this category were either attributable to ventilator dependent patients or acute infections in patients with chronic lung disease. Again, no significant defects in the care of these patients was uncovered.

Our review of the calendar year 1987 mortality statistics is incomplete as of this writing. The following comments seem appropriate. The total number of cases has dropped approximately 30 percent from the previous year. We do not know the precise reason for this, but would suppose that the major reason for this drop in case numbers would be conversion of Medicare cases to other payor categories. The total number of deaths reported is 404. One hundred and sixty-five of those deaths occurred in-hospital and 67 deaths occurred outside the hospital, but within 30 days of hospital discharge, making a total number of deaths credited to the hospital of 232. The 67 out-of-hospital deaths occurring within 30 days represent 28.9 percent of the total hospital deaths credited to Fairview Southdale. That percentage is almost identical to last year's 28.6 percent. We do not plan to analyze this out-of-hospital death group further.

We are pleased to again note that Fairview Southdale Hospital's actual mortality rates are well within the range of predicted mortality rates for all categories listed. We note two categories that would be eligible for further review by our Quality Assurance staff. Those are the category of metabolic/electrolyte disturbances with an actual mortality rate of 22 percent, as compared to 12 percent in 1986. The other category would be renal failure, with a mortality rate of 64 percent, as compared with 40 percent in 1986. This category has very small numbers and, therefore, these figures would not be statistically significant.

Our general comments are similar to those we raised in our previous letter to you:

1. Comparison across institutions is not possible as the information is not truly severity indexed.
2. We still feel that hospital mortality rates, as listed, are not measures of hospital performance and should not be used for judging quality of care in any institution. Quality judgments should be made on the basis of peer review of the individual patient's medical record, or on the basis of compliance with agreed upon standards of care.
3. We continue to disagree with your decision to credit a hospital with post-discharge deaths. Evidence is still lacking that these additions will add to the accuracy or completeness of your data effort. We again request that you delete these post-discharge deaths from your public data release.

Based on last year's experience, we find this information minimally useful in our ongoing institutional quality assurance and peer review program. We have attempted and will continue to attempt to focus on certain specific diagnostic categories for our focused review. These studies would be over and above our already very complete quality assurance efforts at Fairview Southdale Hospital.

We appreciate the opportunity to respond prior to your release of this data.

FALLS MEMORIAL HOSPITAL

1800-3RD STREET
INTERNATIONAL FALLS, MN 56649

Medicare Hospital Provider Number: 240072

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	199	17	8 - 19	240	15	9 - 19
Cancer	6	83	18 - 79	8	63	12 - 73
Cerebrovascular Accidents	6	17	5 - 68	13	38	7 - 58
Gastrointestinal Catastrophes	0	-	-	2	0	3 - 88
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	6	17	1 - 73	20	15	6 - 44
Pulmonary Disease	16	25	10 - 53	13	23	8 - 55
Renal Failure	1	0	0 - 98	0	-	-
Severe Acute Heart Disease	18	50	19 - 63	20	55	21 - 63
Severe Chronic Heart Disease	8	50	4 - 68	12	25	9 - 58
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	21	10	0 - 95	26	0	0 - 35
Gynecologic Disease	1	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	23	4	0 - 94	40	5	0 - 33
Musculoskeletal/Skin Conditions	13	0	0 -100	13	8	0 -100
Neuropsychiatric/Sensory Disease	15	0	0 - 97	14	0	0 -100
Urologic Disease	5	0	0 -100	8	13	0 - 84

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	64
Occupancy Rate (%):	28
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	14
Percent of Physicians Who Are Board Certified Specialists:	86
Interns and Residents:	0
Registered Nurses:	21
Licensed Practical Nurses:	18

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

FOSSTON MUNICIPAL HOSPITAL

900 SOUTH HILLIGOSS BLVD. EAST
FOSSTON, MN 56542

Medicare Hospital Provider Number: 240079

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	212	16	12 - 23	251	15	11 - 21
Cancer	2	50	5 - 93	5	20	11 - 78
Cerebrovascular Accidents	14	29	9 - 56	9	11	12 - 59
Gastrointestinal Catastrophes	0	-	-	1	100	1 - 97
Infectious Disease	7	29	10 - 72	3	33	5 - 87
Metabolic/Electrolyte Disorders	6	17	3 - 69	6	33	2 - 74
Pulmonary Disease	26	27	15 - 50	26	19	17 - 49
Renal Failure	2	100	5 - 90	3	33	11 - 94
Severe Acute Heart Disease	17	47	23 - 68	17	35	22 - 65
Severe Chronic Heart Disease	14	7	9 - 44	18	50	10 - 55
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	12	8	0 - 62	10	0	0 - 97
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	18	17	0 - 56	26	0	0 - 28
Musculoskeletal/Skin Conditions	10	0	0 - 78	14	0	0 - 90
Neuropsychiatric/Sensory Disease	3	0	0 -100	6	17	0 -100
Urologic Disease	14	0	0 -100	23	4	0 - 91

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	93
Occupancy Rate (%):	59
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	10
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	6
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Fosston Hospital Association

*Fosston Municipal Hospital *Fosston Municipal Nursing Home
*Fosston Hospital Home Health Care

Provider Number: 240079

October 3, 1988

Health Standards and Quality Bureau
HCFA
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Attention: Mrs. Sandra Kappert

The following are comments to be included in your final publication of hospital mortality information:

Fosston Municipal hospital serves a high proportion of patients with Medicare insurance. Even though the average age of our medicare patients who expired at the hospital (or within 30 days of discharge) was 82, our overall mortality rate was within the range for predicted mortality. The only category that exceeded the predicted mortality was one in which Fosston Hospital had only two patients. Two patients is not a broad enough sample to calculate an accurate rate.

Thank you.

David Hubbard,
Administrator

900 South Hilligoss Boulevard East * Fosston, Minnesota 56542 * (218) 435-1133

GAYLORD COMMUNITY HOSPITAL

640 3RD ST
GAYLORD, MN 55334

Medicare Hospital Provider Number: 240165

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	31	13	2 - 31	47	11	6 - 26
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	4	0	7 - 71
Gastrointestinal Catastrophes	0	-	-	2	0	2 - 89
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	1	0	0 -100	4	0	0 - 84
Pulmonary Disease	6	17	5 - 68	8	25	6 - 65
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	3	67	2 - 87	4	50	1 - 84
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	3	0	0 -100	4	0	0 -100
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	6	0	0 -100	6	0	0 -100
Musculoskeletal/Skin Conditions	1	0	0 -100	1	0	0 -100
Neuropsychiatric/Sensory Disease	0	-	-	0	-	-
Urologic Disease	2	0	0 -100	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	82
Occupancy Rate (%):	74
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	2
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	6
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

GLACIAI RIDGE HOSPITAL

10 4TH AVE SE
GLENWOOD, MN 56334

Medicare Hospital Provider Number: 240027

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	139	15	8 - 21	185	15	7 - 18
Cancer	2	0	7 - 90	2	50	5 - 93
Cerebrovascular Accidents	6	50	6 - 74	8	13	10 - 62
Gastrointestinal Catastrophes	0	-	-	1	0	3 - 99
Infectious Disease	3	100	3 - 79	2	50	1 - 93
Metabolic/Electrolyte Disorders	5	0	2 - 68	2	0	0 - 99
Pulmonary Disease	20	25	15 - 53	16	25	15 - 57
Renal Failure	0	-	-	1	100	1 - 97
Severe Acute Heart Disease	4	50	3 - 82	6	67	16 - 81
Severe Chronic Heart Disease	7	29	3 - 69	4	50	4 - 82
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	16	0	0 - 67	20	0	0 - 65
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	12	0	0 - 83	32	3	0 - 35
Musculoskeletal/Skin Conditions	13	0	0 - 95	15	7	0 - 91
Neuropsychiatric/Sensory Disease	6	0	0 -100	11	0	0 -100
Urologic Disease	8	0	0 -100	12	17	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	34
Occupancy Rate (%):	18
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	7
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	Yes

GLENCOE AREA HEALTH CENTER

705 W 18TH ST
GLENCOE, MN 55336

Medicare Hospital Provider Number: 240011

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	215	10	11 - 19	272	14	7 - 17
Cancer	11	55	19 - 73	4	75	15 - 88
Cerebrovascular Accidents	16	31	8 - 53	11	36	7 - 61
Gastrointestinal Catastrophes	1	0	0 - 99	6	17	7 - 70
Infectious Disease	2	0	2 - 88	0	-	-
Metabolic/Electrolyte Disorders	3	0	7 - 80	6	33	7 - 74
Pulmonary Disease	15	20	9 - 52	18	33	6 - 51
Renal Failure	1	100	3 - 98	1	0	1 - 97
Severe Acute Heart Disease	12	17	18 - 62	16	56	16 - 62
Severe Chronic Heart Disease	20	5	10 - 36	13	31	6 - 56
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	19	0	0 - 72	37	5	0 - 36
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	27	0	1 - 21	37	3	1 - 22
Musculoskeletal/Skin Conditions	10	0	0 -100	31	3	0 - 49
Neuropsychiatric/Sensory Disease	5	0	0 -100	4	0	0 -100
Urologic Disease	6	0	0 -100	8	13	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	159
Occupancy Rate (%):	70
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	16
Licensed Practical Nurses:	14

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

GOLDEN VALLEY HLTH CTR

4101 GOLDEN VALLEY RD
GOLDEN VALLEY, MN 55422

Medicare Hospital Provider Number: 240175

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	72	0	0 - 43	89	1	0 - 29
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	0	-	-	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	0	-	-
Musculoskeletal/Skin Conditions	0	-	-	0	-	-
Neuropsychiatric/Sensory Disease	71	0	0 - 44	89	1	0 - 29
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1984

Total Beds (#):	377
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	96
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

GRANITE FALLS MUNICIPAL HOSPITAL

345 10TH AVE
GRANITE FALLS, MN 56241

Medicare Hospital Provider Number: 240170

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	318	7	9 - 16	321	13	11 - 19
Cancer	4	75	8 - 82	8	50	13 - 74
Cerebrovascular Accidents	11	0	7 - 40	12	0	11 - 41
Gastrointestinal Catastrophes	2	0	2 - 89	1	0	0 - 98
Infectious Disease	6	17	14 - 75	5	20	12 - 79
Metabolic/Electrolyte Disorders	6	17	7 - 70	8	0	12 - 55
Pulmonary Disease	26	12	17 - 45	26	27	16 - 51
Renal Failure	1	0	3 - 99	1	100	1 - 97
Severe Acute Heart Disease	12	50	20 - 72	24	33	24 - 62
Severe Chronic Heart Disease	10	0	11 - 45	17	41	12 - 57
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	41	5	0 - 31	16	6	0 - 75
Gynecologic Disease	6	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	37	0	1 - 14	33	6	0 - 45
Musculoskeletal/Skin Conditions	25	0	0 - 41	27	0	0 - 23
Neuropsychiatric/Sensory Disease	7	0	0 -100	4	0	0 -100
Urologic Disease	20	10	0 - 93	18	6	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	94
Occupancy Rate (%):	81
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	18
Licensed Practical Nurses:	16

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

GRANT CO HOSPITAL

P O BOX 306
ELBOW LAKE,, MN 56531

Medicare Hospital Provider Number: 240109

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	146	15	8 - 20	176	14	9 - 20
Cancer	4	25	10 - 84	2	50	2 - 92
Cerebrovascular Accidents	6	0	10 - 60	8	38	6 - 68
Gastrointestinal Catastrophes	1	0	0 - 99	1	0	0 -100
Infectious Disease	0	-	-	2	100	8 - 92
Metabolic/Electrolyte Disorders	2	50	0 - 94	7	0	5 - 54
Pulmonary Disease	20	25	13 - 52	20	25	13 - 52
Renal Failure	0	-	-	1	100	2 - 97
Severe Acute Heart Disease	7	57	13 - 77	9	56	13 - 71
Severe Chronic Heart Disease	6	67	2 - 75	10	20	10 - 60
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	15	0	0 - 51	24	0	0 - 32
Gynecologic Disease	3	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	24	0	0 - 45	31	0	1 - 17
Musculoskeletal/Skin Conditions	10	10	0 - 99	11	0	0 - 90
Neuropsychiatric/Sensory Disease	1	0	0 -100	3	0	0 -100
Urologic Disease	8	0	0 -100	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	32
Occupancy Rate (%):	(not available)
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

GREENBUSH COMMUNITY HOSPITAL

152 - 5TH STREET SOUTH
GREENBUSH, MN 56726

Medicare Hospital Provider Number: 240156

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	42	29	8 - 36	73	26	13 - 34
Cancer	1	100	1 - 97	3	100	18 - 91
Cerebrovascular Accidents	5	80	5 - 74	1	0	0 - 98
Gastrointestinal Catastrophes	0	-	-	1	100	3 - 98
Infectious Disease	1	100	1 - 97	1	100	1 - 97
Metabolic/Electrolyte Disorders	1	0	0 -100	4	25	3 - 80
Pulmonary Disease	9	22	10 - 64	12	33	11 - 62
Renal Failure	1	0	3 - 98	5	80	17 - 88
Severe Acute Heart Disease	0	-	-	6	50	9 - 76
Severe Chronic Heart Disease	3	33	3 - 86	3	0	8 - 81
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	5	20	0 -100	6	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	3	0	0 -100	5	0	0 -100
Musculoskeletal/Skin Conditions	2	0	0 -100	3	0	0 -100
Neuropsychiatric/Sensory Disease	0	-	-	2	0	0 -100
Urologic Disease	2	0	0 -100	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	87
Occupancy Rate (%):	66
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HARMONY COMMUNITY HOSPITAL

815 MAIN AVENUE SOUTH
HARMONY, MN 55939

Medicare Hospital Provider Number: 240150

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	78	26	10 - 30	91	14	10 - 25
Cancer	3	100	7 - 80	1	0	0 - 98
Cerebrovascular Accidents	7	86	8 - 65	3	67	5 - 87
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	1	100	0 - 99	0	-	-
Pulmonary Disease	13	8	14 - 51	23	0	15 - 34
Renal Failure	0	-	-	1	0	2 - 97
Severe Acute Heart Disease	3	67	10 - 90	2	100	8 - 91
Severe Chronic Heart Disease	12	33	7 - 59	12	42	6 - 60
Severe Trauma	1	100	0 - 98	0	-	-
Gastrointestinal Disease	6	0	0 - 98	4	25	0 - 94
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	12	0	0 - 69	6	0	0 -100
Musculoskeletal/Skin Conditions	8	13	0 -100	10	10	0 - 98
Neuropsychiatric/Sensory Disease	0	-	-	1	100	2 - 98
Urologic Disease	1	0	0 -100	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	59
Occupancy Rate (%):	83
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	1
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	5
Licensed Practical Nurses:	1

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HEALTH CENTRAL OF BUFFALO

303 CATLIN ST
BUFFALO, MN 55313

Medicare Hospital Provider Number: 240076

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	230	13	8 - 18	329	14	8 - 16
Cancer	2	50	2 - 92	3	33	9 - 90
Cerebrovascular Accidents	12	25	8 - 57	14	7	11 - 46
Gastrointestinal Catastrophes	1	0	0 - 99	4	0	13 - 77
Infectious Disease	3	33	2 - 87	2	50	0 - 96
Metabolic/Electrolyte Disorders	5	0	2 - 68	6	0	1 - 64
Pulmonary Disease	14	7	8 - 44	22	32	7 - 47
Renal Failure	4	100	10 - 78	0	-	-
Severe Acute Heart Disease	15	27	22 - 66	27	30	21 - 56
Severe Chronic Heart Disease	14	29	4 - 54	24	38	9 - 48
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	14	7	0 - 73	19	0	0 - 82
Gynecologic Disease	2	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	30	7	0 - 38	43	2	0 - 23
Musculoskeletal/Skin Conditions	9	0	0 -100	19	5	0 - 98
Neuropsychiatric/Sensory Disease	5	0	0 -100	11	0	0 -100
Urologic Disease	18	0	0 - 86	15	7	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	34
Occupancy Rate (%):	38
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	31
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	28
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HEALTH CENTRAL OF OWATONNA

903 SOUTH OAK STREET
OWATONNA, MN 55060

Medicare Hospital Provider Number: 240069

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	539	10	9 - 15	553	10	9 - 15
Cancer	12	42	16 - 68	6	17	14 - 75
Cerebrovascular Accidents	25	28	13 - 49	19	32	12 - 53
Gastrointestinal Catastrophes	4	25	6 - 81	0	-	-
Infectious Disease	2	50	4 - 92	2	0	2 - 88
Metabolic/Electrolyte Disorders	6	17	6 - 69	17	18	7 - 49
Pulmonary Disease	32	9	14 - 38	46	28	15 - 43
Renal Failure	1	100	3 - 99	0	-	-
Severe Acute Heart Disease	24	46	22 - 61	27	26	21 - 55
Severe Chronic Heart Disease	29	24	11 - 43	30	23	13 - 44
Severe Trauma	1	0	1 - 97	0	-	-
Gastrointestinal Disease	64	0	1 - 9	44	2	0 - 22
Gynecologic Disease	11	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	53	6	0 - 25	73	1	1 - 10
Musculoskeletal/Skin Conditions	67	3	1 - 14	53	4	0 - 22
Neuropsychiatric/Sensory Disease	21	0	0 - 72	29	0	0 - 26
Urologic Disease	28	4	0 - 55	30	0	0 - 53

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	77
Occupancy Rate (%):	36
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	22
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	51
Licensed Practical Nurses:	13

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HENDRICKS COMMUNITY HOSPITAL ASSN

503 E LINCOLN ST
HENDRICKS, MN 56136

Medicare Hospital Provider Number: 240099

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	145	15	10 - 22	144	16	11 - 23
Cancer	4	0	8 - 72	4	50	12 - 88
Cerebrovascular Accidents	12	58	13 - 65	19	16	16 - 51
Gastrointestinal Catastrophes	0	-	-	1	100	3 - 99
Infectious Disease	3	33	4 - 86	1	0	1 - 97
Metabolic/Electrolyte Disorders	1	0	0 - 99	2	0	0 - 95
Pulmonary Disease	10	0	13 - 48	23	30	12 - 50
Renal Failure	3	33	10 - 92	0	-	-
Severe Acute Heart Disease	13	31	18 - 66	4	25	8 - 81
Severe Chronic Heart Disease	5	40	3 - 77	5	60	2 - 78
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	22	5	0 - 67	18	0	1 - 29
Gynecologic Disease	1	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	12	0	0 - 97	4	0	0 -100
Musculoskeletal/Skin Conditions	12	8	0 - 95	13	0	0 - 85
Neuropsychiatric/Sensory Disease	7	0	0 -100	8	0	0 -100
Urologic Disease	9	0	0 - 56	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	96
Occupancy Rate (%):	83
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HENNEPIN CO MED CTR

701 PARK AVENUE SOUTH
MINNEAPOLIS, MN 55415

Medicare Hospital Provider Number: 240004

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,759	11	11 - 16	2,051	12	12 - 17
Cancer	49	45	32 - 62	49	45	30 - 61
Cerebrovascular Accidents	43	28	13 - 41	53	30	16 - 42
Gastrointestinal Catastrophes	26	19	15 - 50	32	22	20 - 54
Infectious Disease	29	24	14 - 49	37	35	23 - 57
Metabolic/Electrolyte Disorders	54	11	9 - 35	58	12	11 - 36
Pulmonary Disease	138	21	20 - 38	186	16	21 - 36
Renal Failure	31	6	5 - 52	70	20	11 - 57
Severe Acute Heart Disease	68	38	30 - 55	84	58	33 - 55
Severe Chronic Heart Disease	72	15	18 - 36	75	15	17 - 35
Severe Trauma	9	22	5 - 63	13	23	6 - 57
Gastrointestinal Disease	74	5	1 - 17	62	5	1 - 17
Gynecologic Disease	9	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	157	1	3 - 7	153	3	2 - 9
Musculoskeletal/Skin Conditions	154	2	1 - 7	197	2	1 - 7
Neuropsychiatric/Sensory Disease	88	2	1 - 12	109	1	0 - 8
Urologic Disease	31	0	0 - 44	65	3	0 - 23

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 389
Occupancy Rate (%): 73
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 246
Percent of Physicians Who Are Board Certified Specialists: (not available)
Interns and Residents: 230
Registered Nurses: 559
Licensed Practical Nurses: 5

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: Yes
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: Yes
Hospice Care: No

**HENNEPIN
COUNTY
MEDICAL
CENTER**

Administration

701 Park Avenue South
Minneapolis, MN 55415
612-347-2338

Medicare Provider #240004

October 21, 1988

Ms. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, Maryland 21207

Re: 1987 Medicare Hospital Mortality Information

Dear Ms. Kappert:

I am submitting Hennepin County Medical Center's response to the mortality information your office is reporting for this medical center. The information you show on this report includes mortality data by diagnostic category for 1987 and 1986 for Hennepin County Medical Center, and Hospital Characteristics data which is drawn from the 1986 American Hospital Association Annual Survey for HCMC. After careful review of the information you show on this report, we are calling your attention to several corrections that are necessary.

1987 and 1986 Mortality Data by Diagnostic Category
(Response to be provided by Medical Records)

Hospital Characteristics

There are several errors in the data you have pulled from the 1986 AHA Survey. We also question the validity of several of the ratios you have calculated. Also, presumably all the data you show in this section is drawn from the 1986 AHA Hospital Survey. However, we did not report some of the data you show and do not know where you obtained it. Specifically:

- # of Beds: The number should be 377 beds. We reported a total operating bed complement of 377 beds on the 1986 AHA Survey. You show 174 beds, which was our Medical/Surgical bed complement for that year.

- % of Board Certified Physicians: You show 53 percent which is inaccurate. We do not know where you obtained this percentage. Our response for this category on the 1986 AHA survey was NA (Not Available). A more correct figure to use is the data from the 1985 AHA Survey where we reported 214 out of 240 physicians as board certified which is 89 percent.

- Interns/Residents per Bed: The ratio you calculate is based on the incorrect bed complement of 174 beds that you show on the report rather than the correct complement of 377 total operating beds. On the 1986 AHA Survey we report a total of 180 residents (177 MDs and 3 Dentists) which results in a ratio 0.48 interns/residents per bed.

- Registered Nurses per Bed: You show a radio of 3.24 RNs per bed. We do not know how you obtained this figure and would like clarification of your methodology. Additionally, we believe your methodology and the basis for calculation of the ratio may be in error.

    - On the 1986 AHA Survey, we reported 349 full-time RNs and 411 part-time RNs. It is likely that you used the 174 bed complement rather than a 377 bed complement in the ratio you have calculated.

    - The total RN complement reported for Hennepin County Medical Center includes nursing staff assigned inpatient nursing areas as well as nurses who work in over twenty clinics. The nurse staff complement we report on the AHA survey data does not differentiate between these two categories. It is incorrect to calculate a RN per bed ratio based on the total complement under these circumstances since this will show a result which inflates the RN staffing complement per bed.

We trust that you will make the corrections we have noted and provide a written response to the issues we have raised prior to publishing the final Medicare Hospital Mortality Information Report. Please contact me if you have any questions or would like to discuss this matter.

Sincerely,

C. F. Richards
Sr. Associate Administrator

CFR:jlm

HERON LAKE MUNICIPAL HOSPITAL

941 COUNTY ROAD 9
HERON LAKE, MN 56137

Medicare Hospital Provider Number: 240201

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	65	17	12 - 31	68	4	9 - 21
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	2	0	1 - 89	3	33	4 - 86
Gastrointestinal Catastrophes	1	100	2 - 97	0	-	-
Infectious Disease	0	-	-	1	0	3 - 98
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	15	13	17 - 55	12	8	15 - 54
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	4	25	16 - 89	1	0	0 - 98
Severe Chronic Heart Disease	7	29	5 - 68	4	0	5 - 70
Severe Trauma	1	0	1 - 97	1	0	1 - 97
Gastrointestinal Disease	6	17	0 -100	6	0	0 - 95
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	12	0	0 - 66	17	0	0 - 48
Musculoskeletal/Skin Conditions	4	25	0 -100	10	0	0 - 98
Neuropsychiatric/Sensory Disease	0	-	-	1	0	0 -100
Urologic Disease	1	0	0 -100	1	0	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	63
Occupancy Rate (%):	76
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HOLY TRINITY HOSPITAL

115 WEST SECOND STREET
GRACEVILLE, MN 56240

Medicare Hospital Provider Number: 240065

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	185	14	13 - 23	292	12	10 - 19
Cancer	7	71	28 - 89	5	80	22 - 88
Cerebrovascular Accidents	9	56	12 - 70	9	22	12 - 66
Gastrointestinal Catastrophes	0	-	-	2	50	7 - 96
Infectious Disease	0	-	-	2	0	2 - 88
Metabolic/Electrolyte Disorders	2	100	1 - 89	23	9	12 - 43
Pulmonary Disease	30	23	16 - 48	34	26	16 - 48
Renal Failure	0	-	-	2	100	11 - 97
Severe Acute Heart Disease	10	30	15 - 68	9	56	14 - 72
Severe Chronic Heart Disease	10	30	12 - 65	12	25	8 - 57
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	11	0	0 - 76	27	0	1 - 20
Gynecologic Disease	1	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	23	0	0 - 30	45	7	0 - 34
Musculoskeletal/Skin Conditions	15	0	0 - 91	19	5	0 - 65
Neuropsychiatric/Sensory Disease	4	0	0 -100	7	0	0 -100
Urologic Disease	5	0	0 -100	8	0	0 - 95

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	40
Occupancy Rate (%):	28
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	3
Percent of Physicians Who Are Board Certified Specialists:	67
Interns and Residents:	0
Registered Nurses:	7
Licensed Practical Nurses:	10

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HUTCHINSON COMMUNITY HOSPITAL

CENTURY AVENUE
HUTCHINSON, MN 55350

Medicare Hospital Provider Number: 240187

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	309	14	9 - 18	361	13	10 - 17
Cancer	7	71	13 - 75	8	63	15 - 76
Cerebrovascular Accidents	14	43	9 - 58	22	32	13 - 52
Gastrointestinal Catastrophes	3	100	6 - 80	4	50	6 - 83
Infectious Disease	4	0	6 - 71	6	17	8 - 71
Metabolic/Electrolyte Disorders	14	14	9 - 52	13	8	5 - 47
Pulmonary Disease	17	24	10 - 52	22	14	12 - 45
Renal Failure	0	-	-	2	50	6 - 95
Severe Acute Heart Disease	18	50	20 - 64	19	42	17 - 60
Severe Chronic Heart Disease	20	10	12 - 42	16	31	11 - 55
Severe Trauma	0	-	-	1	0	1 - 97
Gastrointestinal Disease	16	0	0 - 56	31	10	0 - 40
Gynecologic Disease	1	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	41	0	1 - 13	35	3	1 - 22
Musculoskeletal/Skin Conditions	38	3	0 - 31	40	2	0 - 31
Neuropsychiatric/Sensory Disease	12	8	0 - 90	13	0	0 - 62
Urologic Disease	8	0	0 - 98	14	0	0 - 77

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	67
Occupancy Rate (%):	42
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	14
Percent of Physicians Who Are Board Certified Specialists:	79
Interns and Residents:	0
Registered Nurses:	34
Licensed Practical Nurses:	16

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

hutchinson
community
hospital

1095 Highway 15 South, Hutchinson, Minnesota 55350 • Telephone 612/587-2148

October 19, 1988

Health Care Financing Administration
Health Standards and Quality Bureau
Attn: Sandra Kappert
Meadows East Building, 2 - D - 2
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert:

After review of the "Medicare Hospital Mortality Information", administration and medical staff at Hutchinson Community Hospital had several concerns which we wanted to share with you.

First, we feel that a minimum number of cases should be pre-established to determine whether a "Diagnostic Category" is reportable since very small numbers are not statistically significant.

Secondly, under the "Hospital Characteristics", questions were raised about the methods used to determine these values.

Specifically:

1. What methodology is used to determine the number of beds? Are mental health unit, pediatric, and obstetrical beds not included in this bed count?
2. With the occupancy rate, is this the net rate? Are the patients in the mental health unit, obstetrics, and pediatrics not included in this rate?
3. Under staffing, physicians were concerned about the "Percent of Physicians who are Board Certified Specialists". Are Board Certified Family Practicioners not included in this rate?
4. Question was also raised about the status of the Coronary Care Unit. We currently have beds set aside which we consider a special care unit that encompasses both intensive and coronary care.

Taking into consideration the above concerns, we respectfully await a response to these comments.

Sincerely,

HUTCHINSON COMMUNITY HOSPITAL

Philip G. Graves
Administrator

IMMANUEL-ST JOSEPHS HOSPITAL

325 GARDEN BLVD
MANKATO, MN 56001

Medicare Hospital Provider Number: 240093

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,612	11	8 - 13	1,760	11	9 - 13
Cancer	50	56	25 - 55	42	60	26 - 58
Cerebrovascular Accidents	67	21	15 - 36	68	29	16 - 39
Gastrointestinal Catastrophes	8	25	14 - 72	18	33	18 - 63
Infectious Disease	17	35	16 - 61	12	8	18 - 58
Metabolic/Electrolyte Disorders	22	18	8 - 46	17	29	6 - 53
Pulmonary Disease	55	24	17 - 41	69	25	16 - 39
Renal Failure	7	0	4 - 63	6	83	12 - 79
Severe Acute Heart Disease	62	52	29 - 55	77	40	29 - 52
Severe Chronic Heart Disease	63	30	12 - 36	50	48	11 - 40
Severe Trauma	2	0	1 - 90	0	-	-
Gastrointestinal Disease	116	3	1 - 10	136	1	2 - 8
Gynecologic Disease	12	0	0 -100	16	0	0 -100
Low-Risk Heart Disease	125	2	1 - 8	119	4	1 - 11
Musculoskeletal/Skin Conditions	263	1	1 - 5	288	1	1 - 4
Neuropsychiatric/Sensory Disease	78	1	0 - 16	117	2	0 - 10
Urologic Disease	89	1	0 - 16	96	1	0 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 184
Occupancy Rate (%): 63
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 86
Percent of Physicians Who Are Board Certified Specialists: 74
Interns and Residents: 0
Registered Nurses: 126
Licensed Practical Nurses: 50

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: Yes

IMMANUEL-ST.JOSEPH'S HOSPITAL
325 GARDEN BOULEVARD • P.O. BOX 8673
MANKATO, MINNESOTA 56002 • (507) 625-4031

Provider #240093

HCFA MORTALITY DATA
1987

In 1987 there were 28 Medicare cancer patients listed by HCFA and confirmed by Immanuel-St. Joseph's Hospital who died either in the hospital or within 30 days of their admission to the hospital.

Immanuel-St. Joseph's Hospital has a hospice program. Of the 19 patients who expired in the hospital, 15 of these patients were admitted for symptom control and comfort measures and were considered to be in the terminal stages of their illness at the time of last admission. The other four patients were newly diagnosed, but were in advanced stages of illness when hospitalized for diagnosis and treatment.

There were nine patients who were discharged from the hospital who expired within 30 days of their last admission. Eight of the nine were discharged to hospice or a nursing home for terminal care, and one patient was discharged to home with outpatient followup scheduled.

Three patients were referred to Immanuel-St. Joseph's Hospital for diagnostic services not available in their local communities. Three patients outside the usual service area of Immanuel-St. Joseph's Hospice received hospice services in Mankato because they had relatives in Mankato.

Information from the AHA survey of 1986 was not accurately transcribed. Immanuel-St. Joseph's Hospital has 184 beds open and staffed. It does not have an organ transplant service; it does, however, have a hemodialysis unit.

ITASCA MEMORIAL HOSPITAL

126 1ST AVE S E
GRAND RAPIDS, MN 55744

Medicare Hospital Provider Number: 240064

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	596	11	10 - 16	791	13	10 - 16
Cancer	19	37	20 - 63	29	59	25 - 62
Cerebrovascular Accidents	24	25	12 - 47	40	25	15 - 43
Gastrointestinal Catastrophes	12	33	14 - 66	8	38	11 - 72
Infectious Disease	8	13	10 - 63	12	25	9 - 59
Metabolic/Electrolyte Disorders	18	11	6 - 44	23	9	4 - 38
Pulmonary Disease	33	33	14 - 47	47	15	14 - 37
Renal Failure	3	33	11 - 93	1	100	3 - 99
Severe Acute Heart Disease	26	35	19 - 55	55	40	27 - 54
Severe Chronic Heart Disease	43	19	12 - 37	53	19	11 - 34
Severe Trauma	0	-	-	2	0	4 - 89
Gastrointestinal Disease	40	0	0 - 17	49	6	0 - 36
Gynecologic Disease	3	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	57	4	1 - 16	64	2	1 - 12
Musculoskeletal/Skin Conditions	70	3	0 - 17	94	1	0 - 9
Neuropsychiatric/Sensory Disease	15	0	0 - 69	23	0	0 - 74
Urologic Disease	14	0	0 -100	31	0	0 - 42

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	119
Occupancy Rate (%):	59
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	33
Percent of Physicians Who Are Board Certified Specialists:	64
Interns and Residents:	0
Registered Nurses:	62
Licensed Practical Nurses:	27

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

JACKSON MUNICIPAL HOSPITAL

NORTH HIGHWAY
JACKSON, MN 56143

Medicare Hospital Provider Number: 240102

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	158	9	8 - 18	193	16	11 - 22
Cancer	2	50	2 - 92	2	50	5 - 94
Cerebrovascular Accidents	6	0	11 - 61	11	36	13 - 66
Gastrointestinal Catastrophes	0	-	-	1	0	0 - 99
Infectious Disease	0	-	-	1	100	2 - 97
Metabolic/Electrolyte Disorders	7	0	5 - 54	5	20	1 - 77
Pulmonary Disease	15	7	14 - 48	23	43	15 - 55
Renal Failure	0	-	-	1	0	3 - 99
Severe Acute Heart Disease	5	60	11 - 81	9	22	20 - 73
Severe Chronic Heart Disease	11	9	10 - 51	14	21	8 - 53
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	18	6	0 - 45	22	0	1 - 24
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	32	6	0 - 36	28	0	0 - 26
Musculoskeletal/Skin Conditions	12	8	0 - 91	14	7	0 - 95
Neuropsychiatric/Sensory Disease	6	17	0 -100	2	0	0 -100
Urologic Disease	2	0	0 -100	8	0	0 - 89

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	41
Occupancy Rate (%):	63
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	50
Interns and Residents:	0
Registered Nurses:	8
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

JOHNSON MEMORIAL HOSPITAL

WALNUT STREET AND MEMORIAL PLA
DAWSON, MN 56232

Medicare Hospital Provider Number: 240108

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	143	15	10 - 23	146	13	10 - 22
Cancer	3	100	18 - 90	0	-	-
Cerebrovascular Accidents	7	0	12 - 57	5	40	7 - 78
Gastrointestinal Catastrophes	0	-	-	2	50	6 - 94
Infectious Disease	3	0	10 - 82	2	0	2 - 89
Metabolic/Electrolyte Disorders	5	20	3 - 75	4	25	6 - 80
Pulmonary Disease	14	7	10 - 45	20	15	12 - 47
Renal Failure	2	100	7 - 91	0	-	-
Severe Acute Heart Disease	8	38	18 - 78	7	71	15 - 76
Severe Chronic Heart Disease	7	86	10 - 66	13	8	8 - 46
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	15	7	0 - 80	22	0	0 - 67
Gynecologic Disease	3	0	0 -100	0	-	-
Low-Risk Heart Disease	17	12	0 - 68	6	17	0 -100
Musculoskeletal/Skin Conditions	14	0	0 - 87	6	0	0 - 98
Neuropsychiatric/Sensory Disease	9	0	0 -100	2	0	0 -100
Urologic Disease	3	0	0 -100	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	94
Occupancy Rate (%):	81
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	2
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	8
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

KANABEC COUNTY HOSPITAL

300 CLARK STREET
MORA, MN 55051

Medicare Hospital Provider Number: 240152

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	165	15	8 - 20	276	13	11 - 19
Cancer	2	0	3 - 88	8	88	24 - 76
Cerebrovascular Accidents	6	50	4 - 74	17	24	10 - 51
Gastrointestinal Catastrophes	0	-	-	2	100	8 - 92
Infectious Disease	2	0	3 - 88	7	43	16 - 80
Metabolic/Electrolyte Disorders	8	0	7 - 51	10	20	9 - 61
Pulmonary Disease	18	22	11 - 51	30	3	16 - 36
Renal Failure	0	-	-	1	100	3 - 99
Severe Acute Heart Disease	6	50	10 - 77	14	21	15 - 58
Severe Chronic Heart Disease	11	9	7 - 49	7	14	5 - 63
Severe Trauma	1	0	1 - 97	0	-	-
Gastrointestinal Disease	11	9	0 - 99	31	6	0 - 36
Gynecologic Disease	2	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	12	8	0 - 92	33	3	0 - 36
Musculoskeletal/Skin Conditions	10	0	0 - 82	20	5	0 - 51
Neuropsychiatric/Sensory Disease	7	0	0 - 99	6	0	0 -100
Urologic Disease	8	0	0 -100	12	0	0 - 47

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	54
Occupancy Rate (%):	22
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	6
Percent of Physicians Who Are Board Certified Specialists:	83
Interns and Residents:	0
Registered Nurses:	19
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

KARLSTAD MEMORIAL HOSPITAL

FIRST AND ROOSEVELT
KARLSTAD, MN 56732

Medicare Hospital Provider Number: 240180

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	171	11	10 - 20	172	16	8 - 20
Cancer	3	67	9 - 89	1	100	1 - 97
Cerebrovascular Accidents	11	9	8 - 50	5	20	5 - 74
Gastrointestinal Catastrophes	1	0	1 - 97	0	-	-
Infectious Disease	3	33	7 - 88	0	-	-
Metabolic/Electrolyte Disorders	6	0	5 - 59	5	0	3 - 65
Pulmonary Disease	19	37	16 - 59	14	57	15 - 64
Renal Failure	0	-	-	4	100	19 - 88
Severe Acute Heart Disease	6	17	17 - 78	10	30	14 - 68
Severe Chronic Heart Disease	11	9	8 - 50	10	20	7 - 58
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	23	4	0 - 74	21	5	0 - 49
Gynecologic Disease	2	0	0 -100	0	-	-
Low-Risk Heart Disease	19	0	0 - 56	18	0	0 - 45
Musculoskeletal/Skin Conditions	15	0	0 - 41	18	6	0 - 90
Neuropsychiatric/Sensory Disease	4	25	0 -100	12	0	0 -100
Urologic Disease	8	0	0 - 87	7	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	19
Occupancy Rate (%):	37
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	11
Percent of Physicians Who Are Board Certified Specialists:	91
Interns and Residents:	0
Registered Nurses:	4
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

KITTSON MEMORIAL HOSPITAL

1010 SOUTH BIRCH
HALLOCK, MN 56728

Medicare Hospital Provider Number: 240138

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	88	15	9 - 25	100	16	6 - 21
Cancer	5	80	14 - 80	2	50	1 - 94
Cerebrovascular Accidents	5	40	4 - 77	3	0	2 - 81
Gastrointestinal Catastrophes	1	0	0 - 99	1	0	0 - 99
Infectious Disease	2	50	3 - 92	1	0	0 - 98
Metabolic/Electrolyte Disorders	1	0	0 -100	5	0	0 - 83
Pulmonary Disease	10	0	14 - 49	10	30	3 - 62
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	5	40	11 - 81	1	100	1 - 97
Severe Chronic Heart Disease	4	25	2 - 80	13	38	5 - 57
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	7	0	0 - 96	9	0	0 - 83
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	11	0	0 - 88	8	25	0 - 99
Musculoskeletal/Skin Conditions	6	17	0 -100	7	0	0 -100
Neuropsychiatric/Sensory Disease	3	0	0 -100	3	0	0 -100
Urologic Disease	0	-	-	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	131
Occupancy Rate (%):	70
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

LAKE CITY HOSPITAL

904 SOUTH LAKESHORE DR
LAKE CITY, MN 55041

Medicare Hospital Provider Number: 240090

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	224	11	9 - 18	230	14	8 - 18
Cancer	4	25	10 - 84	5	20	13 - 80
Cerebrovascular Accidents	17	35	9 - 53	11	45	8 - 63
Gastrointestinal Catastrophes	1	0	1 - 97	0	-	-
Infectious Disease	0	-	-	1	100	1 - 97
Metabolic/Electrolyte Disorders	15	13	8 - 49	7	14	3 - 65
Pulmonary Disease	16	6	11 - 43	16	25	10 - 53
Renal Failure	0	-	-	2	100	11 - 96
Severe Acute Heart Disease	8	63	12 - 72	9	33	19 - 75
Severe Chronic Heart Disease	13	23	5 - 53	15	33	7 - 54
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	16	0	0 - 88	23	4	0 - 63
Gynecologic Disease	1	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	23	4	0 - 46	20	0	0 - 47
Musculoskeletal/Skin Conditions	37	8	1 - 29	32	0	0 - 24
Neuropsychiatric/Sensory Disease	3	0	0 -100	8	0	0 - 99
Urologic Disease	11	0	0 - 99	7	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 49
Occupancy Rate (%): 22
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 22
Percent of Physicians Who Are Board Certified Specialists: 91
Interns and Residents: 0
Registered Nurses: 11
Licensed Practical Nurses: 9

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

LAKE REGION HOSPITAL

712 SO CASCADE
FERGUS FALLS, MN 56537

Medicare Hospital Provider Number: 240052

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	791	11	11 - 16	953	12	11 - 17
Cancer	20	30	25 - 66	23	13	22 - 54
Cerebrovascular Accidents	26	15	14 - 44	40	35	17 - 47
Gastrointestinal Catastrophes	5	40	8 - 80	4	0	10 - 74
Infectious Disease	11	9	11 - 54	6	17	9 - 71
Metabolic/Electrolyte Disorders	32	16	11 - 42	28	25	13 - 49
Pulmonary Disease	65	32	20 - 44	75	24	18 - 40
Renal Failure	3	33	7 - 90	1	0	1 -100
Severe Acute Heart Disease	39	26	26 - 55	56	48	30 - 57
Severe Chronic Heart Disease	40	20	14 - 40	48	25	16 - 42
Severe Trauma	1	0	2 - 97	2	0	1 - 89
Gastrointestinal Disease	52	0	1 - 11	70	3	1 - 13
Gynecologic Disease	7	0	0 -100	23	0	0 -100
Low-Risk Heart Disease	78	4	1 - 13	91	3	2 - 11
Musculoskeletal/Skin Conditions	89	0	1 - 7	125	3	0 - 11
Neuropsychiatric/Sensory Disease	15	0	0 - 48	18	6	0 - 53
Urologic Disease	54	0	0 - 20	62	0	0 - 13

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	144
Occupancy Rate (%):	57
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	36
Percent of Physicians Who Are Board Certified Specialists:	72
Interns and Residents:	0
Registered Nurses:	59
Licensed Practical Nurses:	20

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LAKE VIEW MEM HOSP

11TH AVE 4TH ST
TWO HARBORS, MN 55616

Medicare Hospital Provider Number: 240051

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	186	13	8 - 19	167	15	9 - 20
Cancer	2	0	4 - 88	4	25	6 - 80
Cerebrovascular Accidents	15	47	12 - 60	9	22	4 - 61
Gastrointestinal Catastrophes	1	0	1 - 97	3	67	3 - 86
Infectious Disease	3	0	1 - 82	1	0	0 -100
Metabolic/Electrolyte Disorders	2	0	1 - 92	1	0	0 -100
Pulmonary Disease	6	33	16 - 81	12	25	7 - 57
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	14	43	17 - 66	13	15	25 - 67
Severe Chronic Heart Disease	8	13	3 - 59	11	36	5 - 60
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	17	0	0 - 82	16	0	0 - 90
Gynecologic Disease	3	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	24	13	0 - 56	13	15	0 - 85
Musculoskeletal/Skin Conditions	15	0	0 - 96	11	9	0 - 99
Neuropsychiatric/Sensory Disease	9	0	0 -100	5	0	0 -100
Urologic Disease	2	0	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	80
Occupancy Rate (%):	69
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	9
Percent of Physicians Who Are Board Certified Specialists:	44
Interns and Residents:	0
Registered Nurses:	11
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LAKEFIELD MUNICIPAL HOSPITAL

220 MILWAUKEE ST
LAKEFIELD, MN 56150

Medicare Hospital Provider Number: 240091

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	98	11	9 - 22	68	19	8 - 28
Cancer	2	50	5 - 93	1	0	1 - 97
Cerebrovascular Accidents	7	43	5 - 71	9	56	12 - 70
Gastrointestinal Catastrophes	1	0	2 - 97	0	-	-
Infectious Disease	1	0	0 - 99	0	-	-
Metabolic/Electrolyte Disorders	4	25	0 - 88	1	100	0 - 98
Pulmonary Disease	8	0	13 - 54	8	25	9 - 67
Renal Failure	1	0	2 - 97	0	-	-
Severe Acute Heart Disease	4	75	11 - 84	5	40	7 - 78
Severe Chronic Heart Disease	5	20	6 - 74	2	0	1 - 92
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	16	13	0 - 59	5	0	0 - 98
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	9	0	0 - 93	11	9	0 - 97
Musculoskeletal/Skin Conditions	6	0	0 -100	6	17	0 -100
Neuropsychiatric/Sensory Disease	4	0	0 -100	1	0	0 -100
Urologic Disease	3	0	0 -100	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 18
Occupancy Rate (%): 17
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 4
Percent of Physicians Who Are Board Certified Specialists: 0
Interns and Residents: (not available)
Registered Nurses: (not available)
Licensed Practical Nurses: (not available)

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

LAKEVIEW MEMORIAL HOSPITAL

919 WEST ANDERSON STREET
STILLWATER, MN 55082

Medicare Hospital Provider Number: 240066

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	498	12	7 - 13	499	12	8 - 14
Cancer	9	67	13 - 70	8	38	15 - 75
Cerebrovascular Accidents	18	44	9 - 54	28	29	11 - 45
Gastrointestinal Catastrophes	2	0	1 - 91	4	0	7 - 72
Infectious Disease	3	0	9 - 82	3	0	3 - 79
Metabolic/Electrolyte Disorders	16	31	7 - 55	18	0	6 - 33
Pulmonary Disease	26	8	11 - 37	38	11	16 - 39
Renal Failure	5	20	12 - 83	2	100	6 - 91
Severe Acute Heart Disease	16	50	18 - 64	17	41	20 - 64
Severe Chronic Heart Disease	29	52	9 - 45	20	50	10 - 52
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	28	7	0 - 62	24	4	0 - 67
Gynecologic Disease	5	20	0 -100	4	0	0 -100
Low-Risk Heart Disease	47	2	0 - 19	55	2	1 - 13
Musculoskeletal/Skin Conditions	113	0	0 - 6	109	3	0 - 20
Neuropsychiatric/Sensory Disease	14	7	0 - 85	15	7	0 - 94
Urologic Disease	23	0	0 - 78	13	0	0 - 52

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	82
Occupancy Rate (%):	35
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	43
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	44
Licensed Practical Nurses:	14

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LONG PRAIRIE MEMORIAL HOSPITAL

20 9TH STREET S E
LONG PRAIRIE, MN 56347

Medicare Hospital Provider Number: 240142

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	79	18	11 - 29	106	10	8 - 21
Cancer	2	0	7 - 91	3	0	6 - 79
Cerebrovascular Accidents	3	0	3 - 79	12	33	9 - 60
Gastrointestinal Catastrophes	1	0	1 - 97	1	100	1 - 97
Infectious Disease	0	-	-	1	100	0 - 98
Metabolic/Electrolyte Disorders	3	33	5 - 87	2	50	1 - 93
Pulmonary Disease	14	21	14 - 58	5	20	4 - 74
Renal Failure	1	0	1 - 97	0	-	-
Severe Acute Heart Disease	6	17	11 - 72	4	25	15 - 88
Severe Chronic Heart Disease	3	67	1 - 90	1	0	0 - 98
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	3	0	0 -100	8	13	0 - 97
Gynecologic Disease	1	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	12	17	0 - 99	8	0	0 - 98
Musculoskeletal/Skin Conditions	6	17	0 -100	5	0	0 -100
Neuropsychiatric/Sensory Disease	0	-	-	1	0	0 -100
Urologic Disease	2	0	0 -100	7	0	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	155
Occupancy Rate (%):	83
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MADELIA COMM HOSP

121 DREW AVE SE
MADELIA, MN 56062

Medicare Hospital Provider Number: 240129

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	164	21	10 - 23	163	13	9 - 20
Cancer	3	33	6 - 87	4	50	6 - 83
Cerebrovascular Accidents	12	8	10 - 49	5	20	4 - 74
Gastrointestinal Catastrophes	2	100	2 - 89	0	-	-
Infectious Disease	1	0	1 - 97	1	0	0 - 98
Metabolic/Electrolyte Disorders	5	40	3 - 78	5	0	3 - 65
Pulmonary Disease	13	46	11 - 62	14	21	5 - 52
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	12	42	15 - 67	13	23	21 - 66
Severe Chronic Heart Disease	17	24	5 - 48	11	36	9 - 62
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	11	0	0 - 97	14	0	0 - 63
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	18	22	0 - 86	10	10	0 -100
Musculoskeletal/Skin Conditions	16	6	0 - 49	16	0	0 - 80
Neuropsychiatric/Sensory Disease	5	0	2 - 65	1	0	0 -100
Urologic Disease	5	0	0 -100	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	25
Occupancy Rate (%):	28
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	2
Percent of Physicians Who Are Board Certified Specialists:	50
Interns and Residents:	0
Registered Nurses:	7
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MADISON HOSPITAL

820 3RD AVE
MADISON, MN 56256

Medicare Hospital Provider Number: 240143

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	149	10	8 - 18	157	13	9 - 20
Cancer	4	50	6 - 82	2	50	7 - 96
Cerebrovascular Accidents	2	50	1 - 92	4	50	1 - 86
Gastrointestinal Catastrophes	1	100	3 - 98	2	100	4 - 89
Infectious Disease	5	20	4 - 74	4	0	10 - 74
Metabolic/Electrolyte Disorders	4	0	1 - 74	3	0	1 - 83
Pulmonary Disease	10	30	6 - 62	20	20	10 - 47
Renal Failure	0	-	-	1	0	0 - 98
Severe Acute Heart Disease	7	43	13 - 76	11	55	17 - 70
Severe Chronic Heart Disease	8	0	8 - 49	6	33	9 - 75
Severe Trauma	0	-	-	1	0	0 - 98
Gastrointestinal Disease	17	0	0 - 79	11	0	0 - 75
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	17	0	0 - 36	14	0	0 - 71
Musculoskeletal/Skin Conditions	9	0	0 - 97	13	0	0 - 65
Neuropsychiatric/Sensory Disease	5	0	0 -100	6	0	0 -100
Urologic Disease	8	0	0 - 83	11	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	21
Occupancy Rate (%):	24
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	2
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	9
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MAHNOMEN CO AND VILLAGE HOSP

414 WEST JEFFERSON
MAHNOMEN, MN 56557

Medicare Hospital Provider Number: 240148

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	85	13	8 - 23	77	12	7 - 23
Cancer	1	0	3 - 99	0	-	-
Cerebrovascular Accidents	3	33	3 - 86	1	100	0 - 97
Gastrointestinal Catastrophes	1	0	0 - 99	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	1	0	0 -100	2	0	0 - 95
Pulmonary Disease	4	25	1 - 83	6	17	5 - 68
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	6	50	20 - 87	8	38	16 - 76
Severe Chronic Heart Disease	5	20	4 - 74	3	33	0 - 91
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	8	0	0 - 98	6	0	0 -100
Gynecologic Disease	1	100	0 -100	1	0	0 -100
Low-Risk Heart Disease	11	9	0 - 99	13	0	0 - 45
Musculoskeletal/Skin Conditions	12	8	0 -100	6	0	0 -100
Neuropsychiatric/Sensory Disease	0	-	-	2	0	0 -100
Urologic Disease	1	0	0 - 99	3	33	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	66
Occupancy Rate (%):	68
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MEEKER COUNTY MEM HOSP

612 SOUTH SIBLEY AVE
LITCHFIELD, MN 55355

Medicare Hospital Provider Number: 240133

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	280	19	11 - 21	440	12	11 - 18
Cancer	6	50	14 - 81	4	25	14 - 87
Cerebrovascular Accidents	15	27	13 - 57	21	29	13 - 51
Gastrointestinal Catastrophes	3	67	6 - 87	4	50	9 - 85
Infectious Disease	5	80	12 - 79	5	40	7 - 79
Metabolic/Electrolyte Disorders	13	8	9 - 49	10	20	5 - 59
Pulmonary Disease	31	32	16 - 49	38	11	14 - 38
Renal Failure	0	-	-	2	50	1 - 94
Severe Acute Heart Disease	20	65	25 - 66	31	29	29 - 61
Severe Chronic Heart Disease	9	33	4 - 64	19	37	12 - 55
Severe Trauma	0	-	-	1	100	1 - 97
Gastrointestinal Disease	23	0	0 - 42	36	8	0 - 47
Gynecologic Disease	7	0	0 -100	11	0	0 -100
Low-Risk Heart Disease	22	0	0 - 27	49	12	0 - 31
Musculoskeletal/Skin Conditions	26	0	0 - 47	34	3	0 - 30
Neuropsychiatric/Sensory Disease	3	0	0 -100	9	11	0 -100
Urologic Disease	16	0	0 - 98	16	0	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	48
Occupancy Rate (%):	31
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	51
Percent of Physicians Who Are Board Certified Specialists:	65
Interns and Residents:	0
Registered Nurses:	22
Licensed Practical Nurses:	15

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MELROSE HOSP

11 N 5TH AVE W
MELROSE, MN 56352

Medicare Hospital Provider Number: 240110

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	96	12	10 - 24	113	9	10 - 21
Cancer	0	-	-	1	0	1 - 97
Cerebrovascular Accidents	3	0	3 - 79	0	-	-
Gastrointestinal Catastrophes	0	-	-	1	0	1 - 97
Infectious Disease	3	33	6 - 87	0	-	-
Metabolic/Electrolyte Disorders	8	25	15 - 73	6	0	3 - 60
Pulmonary Disease	10	30	5 - 61	14	21	14 - 58
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	3	33	7 - 88	7	0	22 - 66
Severe Chronic Heart Disease	6	33	9 - 75	6	0	8 - 58
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	5	20	0 -100	7	0	0 - 99
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	13	8	0 - 87	13	8	0 - 87
Musculoskeletal/Skin Conditions	2	0	0 -100	3	0	0 - 98
Neuropsychiatric/Sensory Disease	2	0	0 -100	1	0	0 -100
Urologic Disease	8	0	0 - 81	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 103
Occupancy Rate (%): 79
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 4
Percent of Physicians Who Are Board Certified Specialists: 100
Interns and Residents: 0
Registered Nurses: 9
Licensed Practical Nurses: 6

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

MEMORIAL HOSPITAL

665 3RD ST SW
PERHAM, MN 56573

Medicare Hospital Provider Number: 240103

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	155	14	11 - 23	176	22	13 - 25
Cancer	0	-	-	4	75	15 - 88
Cerebrovascular Accidents	7	29	8 - 70	10	20	9 - 60
Gastrointestinal Catastrophes	2	100	6 - 90	0	-	-
Infectious Disease	6	17	14 - 75	3	67	5 - 87
Metabolic/Electrolyte Disorders	8	0	5 - 50	5	60	4 - 78
Pulmonary Disease	23	26	10 - 47	23	43	16 - 56
Renal Failure	0	-	-	3	33	8 - 91
Severe Acute Heart Disease	10	30	19 - 72	8	38	15 - 75
Severe Chronic Heart Disease	10	0	10 - 44	6	50	10 - 77
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	8	0	0 - 77	3	0	0 -100
Gynecologic Disease	1	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	10	0	0 - 89	17	6	0 - 88
Musculoskeletal/Skin Conditions	15	0	0 - 46	10	0	0 - 94
Neuropsychiatric/Sensory Disease	2	0	0 -100	2	0	0 -100
Urologic Disease	0	-	-	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	131
Occupancy Rate (%):	79
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	15
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

mh
memorial
hospital and home

Hospital ID 240103

October 21, 1988

To Whom It May Concern:

Again the mortality rates of Medicare patients treated in Memorial Hospital, Perham, Minnesota are all within the predicted range with the exception of one diagnostic category. We feel it is of importance to comment on the following:

- 18 of these patients, or 75% resided in nursing homes rather than other settings at the time of death. Although the predicted mortality rates have been calculated with consideration of the presence of selected accompanying illnesses, individuals who reside in nursing homes often have multiple other variants that contribute to debility and poor outcomes.
- 14, or 60% of these individuals were noted to be terminally ill.
- 39% of these patients were 75-84 years of age and 43% were 85-94 years of age, allowing for an average life expectancy of 76 years, this is also significant.
- In the diagnostic category Gastrointestinal Catastrophies, the two patients treated in this facility died within 30 days. Both individuals were in the advanced stages of terminal diseases. In addition, it should be noted that the evaluation of 2 cases has questionable meaning statistically.

Again, we appreciate the opportunity to preview and comment on the data to be released.

Sincerely,

Bonnie L. Johnson RN.

Bonnie L. Johnson, RN
Review Coordinator

MERCY HOSPITAL

MOOSE LAKE, MN 55767

Medicare Hospital Provider Number: 240121

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	131	15	9 - 22	197	15	10 - 21
Cancer	5	80	18 - 84	6	67	13 - 78
Cerebrovascular Accidents	8	25	8 - 66	8	38	6 - 67
Gastrointestinal Catastrophes	1	0	1 - 97	2	0	1 - 90
Infectious Disease	1	0	2 - 97	3	33	7 - 88
Metabolic/Electrolyte Disorders	1	0	0 -100	8	38	3 - 69
Pulmonary Disease	13	54	7 - 59	20	35	13 - 54
Renal Failure	1	100	0 - 97	0	-	-
Severe Acute Heart Disease	12	42	10 - 63	9	22	11 - 65
Severe Chronic Heart Disease	7	0	6 - 52	15	20	9 - 51
Severe Trauma	1	0	0 - 97	1	0	0 - 99
Gastrointestinal Disease	5	0	0 - 97	9	0	0 - 97
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	14	7	0 - 94	21	0	1 - 27
Musculoskeletal/Skin Conditions	11	0	0 - 99	20	5	0 - 65
Neuropsychiatric/Sensory Disease	7	0	0 -100	9	0	0 -100
Urologic Disease	1	0	0 -100	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	129
Occupancy Rate (%):	78
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	13
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MERCY MEDICAL CENTER

4050 COON RAPIDS BLVD
COON RAPIDS, MN 55433

Medicare Hospital Provider Number: 240115

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	891	12	9 - 14	1,019	11	9 - 14
Cancer	23	43	24 - 65	35	43	24 - 59
Cerebrovascular Accidents	31	19	12 - 41	35	23	11 - 40
Gastrointestinal Catastrophes	8	25	6 - 66	8	50	14 - 76
Infectious Disease	8	13	7 - 61	7	43	10 - 75
Metabolic/Electrolyte Disorders	19	32	4 - 51	18	11	9 - 46
Pulmonary Disease	44	30	14 - 43	45	40	15 - 45
Renal Failure	6	0	7 - 67	9	33	16 - 81
Severe Acute Heart Disease	43	35	25 - 54	42	24	26 - 53
Severe Chronic Heart Disease	67	30	12 - 35	53	30	11 - 37
Severe Trauma	0	-	-	2	0	0 - 98
Gastrointestinal Disease	42	5	0 - 38	56	2	0 - 22
Gynecologic Disease	6	0	0 -100	13	0	0 -100
Low-Risk Heart Disease	88	5	1 - 14	121	3	1 - 10
Musculoskeletal/Skin Conditions	65	3	0 - 31	71	0	0 - 16
Neuropsychiatric/Sensory Disease	80	0	0 - 9	70	1	0 - 23
Urologic Disease	56	2	0 - 47	55	4	0 - 28

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#): 271
Ownership/Control: Private, Non-profit

STAFFING

Interns and Residents: 2
Registered Nurses: 250
Licensed Practical Nurses: 37

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

MESABI REGIONAL MEDICAL CENTER

750 EAST 34TH ST
HIBBING, MN 55746

Medicare Hospital Provider Number: 240040

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	761	11	10 - 16	806	13	10 - 16
Cancer	21	57	22 - 64	18	28	24 - 66
Cerebrovascular Accidents	46	33	18 - 46	42	21	16 - 42
Gastrointestinal Catastrophes	7	57	12 - 77	5	60	11 - 82
Infectious Disease	11	18	15 - 64	12	8	20 - 61
Metabolic/Electrolyte Disorders	20	5	4 - 37	32	22	12 - 45
Pulmonary Disease	47	21	14 - 40	35	40	12 - 46
Renal Failure	4	50	11 - 89	2	50	5 - 94
Severe Acute Heart Disease	41	24	24 - 52	53	43	30 - 58
Severe Chronic Heart Disease	39	13	13 - 36	39	28	10 - 40
Severe Trauma	0	-	-	1	100	2 - 97
Gastrointestinal Disease	82	2	1 - 12	66	0	0 - 11
Gynecologic Disease	6	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	84	4	1 - 13	90	6	1 - 15
Musculoskeletal/Skin Conditions	55	2	0 - 16	56	0	0 - 11
Neuropsychiatric/Sensory Disease	25	4	0 - 73	26	4	0 - 83
Urologic Disease	25	4	0 - 95	26	0	0 - 62

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	175
Occupancy Rate (%):	30
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	33
Percent of Physicians Who Are Board Certified Specialists:	88
Interns and Residents:	0
Registered Nurses:	76
Licensed Practical Nurses:	17

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

METHODIST HOSPITAL

6500 EXCELSIOR BLVD
SAINT LOUIS PARK, MN 55440

Medicare Hospital Provider Number: 240053

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,467	10	11 - 15	2,896	11	11 - 16
Cancer	112	34	31 - 53	144	33	34 - 55
Cerebrovascular Accidents	94	17	21 - 38	114	32	19 - 38
Gastrointestinal Catastrophes	12	8	18 - 60	20	40	17 - 61
Infectious Disease	38	24	21 - 52	47	36	24 - 55
Metabolic/Electrolyte Disorders	52	12	15 - 40	54	19	10 - 37
Pulmonary Disease	108	22	16 - 35	160	18	19 - 35
Renal Failure	14	7	14 - 64	15	53	15 - 74
Severe Acute Heart Disease	92	40	27 - 50	103	36	30 - 50
Severe Chronic Heart Disease	120	17	17 - 32	133	21	17 - 32
Severe Trauma	6	0	9 - 61	3	33	5 - 87
Gastrointestinal Disease	122	6	1 - 12	165	4	2 - 9
Gynecologic Disease	19	0	0 -100	31	0	0 -100
Low-Risk Heart Disease	319	3	2 - 7	357	3	2 - 7
Musculoskeletal/Skin Conditions	252	4	1 - 7	267	1	2 - 6
Neuropsychiatric/Sensory Disease	71	3	0 - 18	89	3	1 - 13
Urologic Disease	124	2	0 - 15	108	0	1 - 6

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 405
Occupancy Rate (%): 62
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 293
Percent of Physicians Who Are Board Certified Specialists: 85
Interns and Residents: 0
Registered Nurses: 440
Licensed Practical Nurses: 54

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

METROPOLITAN MED CTR

900 S 8TH ST
MINNEAPOLIS, MN 55404

Medicare Hospital Provider Number: 240196

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,196	9	9 - 13	2,534	10	9 - 14
Cancer	64	36	27 - 53	96	35	27 - 50
Cerebrovascular Accidents	56	36	15 - 41	96	23	21 - 39
Gastrointestinal Catastrophes	13	46	18 - 70	9	56	18 - 77
Infectious Disease	24	17	20 - 54	21	24	20 - 59
Metabolic/Electrolyte Disorders	56	16	9 - 36	68	13	11 - 35
Pulmonary Disease	102	25	18 - 38	108	27	19 - 39
Renal Failure	35	6	7 - 52	31	19	10 - 60
Severe Acute Heart Disease	54	37	29 - 56	78	33	32 - 55
Severe Chronic Heart Disease	95	23	16 - 34	96	22	17 - 36
Severe Trauma	5	20	10 - 78	7	0	13 - 61
Gastrointestinal Disease	119	3	2 - 9	123	4	1 - 11
Gynecologic Disease	21	5	0 -100	32	0	0 -100
Low-Risk Heart Disease	301	3	2 - 7	314	4	2 - 7
Musculoskeletal/Skin Conditions	319	2	1 - 6	340	1	1 - 5
Neuropsychiatric/Sensory Disease	113	3	1 - 10	150	3	0 - 9
Urologic Disease	127	1	0 - 9	111	1	0 - 8

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1984

Total Beds (#):	725
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	444
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

MIDWAY HOSPITAL

1700 UNIVERSITY AVENUE
SAINT PAUL, MN 55104

Medicare Hospital Provider Number: 240048

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,723	10	9 - 13	846	9	8 - 14
Cancer	59	29	23 - 50	20	30	21 - 61
Cerebrovascular Accidents	72	26	18 - 40	32	22	15 - 45
Gastrointestinal Catastrophes	13	38	12 - 63	9	11	11 - 60
Infectious Disease	6	50	8 - 76	2	50	3 - 92
Metabolic/Electrolyte Disorders	29	31	13 - 50	25	24	9 - 47
Pulmonary Disease	70	16	15 - 36	40	20	15 - 42
Renal Failure	2	50	1 - 93	3	33	5 - 88
Severe Acute Heart Disease	64	38	28 - 53	30	43	24 - 59
Severe Chronic Heart Disease	76	16	15 - 33	40	25	12 - 40
Severe Trauma	3	33	3 - 86	0	-	-
Gastrointestinal Disease	135	1	1 - 7	61	0	0 - 10
Gynecologic Disease	18	6	0 -100	10	0	0 -100
Low-Risk Heart Disease	165	4	1 - 8	98	2	1 - 9
Musculoskeletal/Skin Conditions	245	2	1 - 6	90	0	1 - 6
Neuropsychiatric/Sensory Disease	51	2	0 - 22	26	4	0 - 95
Urologic Disease	89	0	0 - 10	49	2	0 - 31

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1984

Total Beds (#):	246
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	5
Licensed Practical Nurses:	1

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

MILACA AREA HOSPITAL

150 10TH ST
MILACA, MN 56353

Medicare Hospital Provider Number: 240183

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	133	14	9 - 21	191	23	11 - 24
Cancer	1	0	1 - 97	2	100	6 - 89
Cerebrovascular Accidents	4	0	5 - 70	9	44	7 - 67
Gastrointestinal Catastrophes	1	0	0 - 97	0	-	-
Infectious Disease	1	0	1 - 97	1	100	0 - 97
Metabolic/Electrolyte Disorders	3	0	0 - 92	10	60	18 - 74
Pulmonary Disease	20	30	8 - 50	23	43	12 - 53
Renal Failure	1	100	3 - 99	2	100	6 - 91
Severe Acute Heart Disease	6	0	17 - 66	10	70	16 - 69
Severe Chronic Heart Disease	14	29	7 - 54	25	28	12 - 48
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	5	20	0 -100	13	0	0 - 78
Gynecologic Disease	3	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	13	0	0 - 89	21	5	0 - 57
Musculoskeletal/Skin Conditions	7	0	0 -100	9	0	0 - 99
Neuropsychiatric/Sensory Disease	2	0	0 -100	2	0	0 -100
Urologic Disease	6	0	0 -100	17	0	0 - 89

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	22
Occupancy Rate (%):	32
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	3
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	13
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

MILLE LACS HOSPITAL & HOME

200 NORTH ELM ST
ONAMIA, MN 56359

Medicare Hospital Provider Number: 240139

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	217	12	11 - 20	219	11	10 - 20
Cancer	5	40	15 - 86	8	75	26 - 83
Cerebrovascular Accidents	4	50	1 - 83	7	57	10 - 73
Gastrointestinal Catastrophes	1	100	3 - 98	1	0	2 - 97
Infectious Disease	7	43	13 - 77	3	67	8 - 89
Metabolic/Electrolyte Disorders	8	0	6 - 50	10	10	9 - 56
Pulmonary Disease	28	36	19 - 54	29	7	17 - 41
Renal Failure	0	-	-	1	0	0 - 98
Severe Acute Heart Disease	4	25	5 - 80	9	56	17 - 74
Severe Chronic Heart Disease	11	9	12 - 53	6	17	3 - 69
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	24	0	0 - 50	18	6	0 - 94
Gynecologic Disease	1	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	23	0	0 - 35	15	0	0 - 84
Musculoskeletal/Skin Conditions	11	0	0 - 71	19	5	0 - 99
Neuropsychiatric/Sensory Disease	4	0	0 -100	11	0	0 - 98
Urologic Disease	15	0	0 - 68	9	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 108
Occupancy Rate (%): 82
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 5
Percent of Physicians Who Are Board Certified Specialists: 40
Interns and Residents: 0
Registered Nurses: 10
Licensed Practical Nurses: 6

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

MILLER-DAWN HOSP MED CTR

504 E SECOND ST
DULUTH, MN 55805

Medicare Hospital Provider Number: 240019

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	314	10	9 - 17	317	7	9 - 16
Cancer	5	60	11 - 81	6	17	14 - 75
Cerebrovascular Accidents	4	25	4 - 79	3	33	7 - 88
Gastrointestinal Catastrophes	9	22	15 - 69	3	33	5 - 86
Infectious Disease	5	20	4 - 74	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	3	0	2 - 80
Pulmonary Disease	4	50	10 - 86	6	0	11 - 61
Renal Failure	23	30	13 - 65	21	29	17 - 71
Severe Acute Heart Disease	3	67	10 - 90	5	20	18 - 84
Severe Chronic Heart Disease	9	11	9 - 57	11	36	10 - 63
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	7	0	0 - 84	10	0	1 - 51
Gynecologic Disease	2	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	14	0	0 - 41	7	0	0 - 89
Musculoskeletal/Skin Conditions	74	0	0 - 9	87	2	0 - 16
Neuropsychiatric/Sensory Disease	42	0	1 - 13	41	0	1 - 13
Urologic Disease	10	0	1 - 50	8	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	165
Occupancy Rate (%):	51
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	209
Percent of Physicians Who Are Board Certified Specialists:	85
Interns and Residents:	0
Registered Nurses:	84
Licensed Practical Nurses:	48

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	Yes
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MINNESOTA VALLEY MEM HOSP

621 S 4TH ST
LE SUEUR, MN 56058

Medicare Hospital Provider Number: 240021

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	68	18	8 - 27	81	17	8 - 25
Cancer	1	100	2 - 97	3	100	16 - 89
Cerebrovascular Accidents	6	17	5 - 68	4	25	2 - 80
Gastrointestinal Catastrophes	1	0	3 - 98	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	1	0	0 -100	0	-	-
Pulmonary Disease	13	15	9 - 52	10	30	7 - 62
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	2	100	5 - 89	6	0	14 - 64
Severe Chronic Heart Disease	5	40	3 - 77	10	30	5 - 61
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	8	13	2 - 61	6	17	0 -100
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	5	0	0 - 99	8	0	0 - 99
Musculoskeletal/Skin Conditions	4	0	0 -100	7	0	0 -100
Neuropsychiatric/Sensory Disease	1	0	0 -100	3	0	0 -100
Urologic Disease	4	0	0 -100	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	109
Occupancy Rate (%):	79
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MINNEWASKA HOSPITAL

610 WEST SIXTH STREET
STARBUCK, MN 56381

Medicare Hospital Provider Number: 240160

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	200	15	8 - 19	177	12	9 - 20
Cancer	0	-	-	2	100	11 - 96
Cerebrovascular Accidents	12	17	13 - 57	9	0	8 - 46
Gastrointestinal Catastrophes	1	0	1 - 97	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	4	50	3 - 82	11	27	5 - 60
Pulmonary Disease	25	16	13 - 45	15	13	11 - 50
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	15	60	19 - 66	20	40	23 - 65
Severe Chronic Heart Disease	9	11	6 - 55	3	0	3 - 79
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	33	3	1 - 25	31	0	0 - 24
Gynecologic Disease	3	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	15	0	0 - 80	17	6	0 - 91
Musculoskeletal/Skin Conditions	22	9	0 - 81	12	8	0 -100
Neuropsychiatric/Sensory Disease	7	0	0 - 99	8	0	0 - 99
Urologic Disease	3	0	0 -100	8	13	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	19
Occupancy Rate (%):	37
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	5
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MONTICELLO-BIG LAKE COMM HOSPITAL

1013 HART BOULEVARD, P.O. BOX
MONTICELLO, MN 55362

Medicare Hospital Provider Number: 240094

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	65	15	6 - 25	115	17	9 - 21
Cancer	0	-	-	4	25	7 - 81
Cerebrovascular Accidents	2	50	3 - 92	7	29	3 - 69
Gastrointestinal Catastrophes	0	-	-	2	0	2 - 89
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	3	0	1 - 82	3	33	1 - 87
Pulmonary Disease	8	25	6 - 65	9	0	8 - 46
Renal Failure	0	-	-	1	100	3 - 98
Severe Acute Heart Disease	3	33	8 - 89	9	67	18 - 75
Severe Chronic Heart Disease	7	43	3 - 71	10	10	5 - 52
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	2	0	0 -100	16	13	0 - 60
Gynecologic Disease	0	-	-	2	0	0 -100
Low-Risk Heart Disease	10	0	0 -100	8	0	0 - 75
Musculoskeletal/Skin Conditions	3	0	0 -100	7	0	0 -100
Neuropsychiatric/Sensory Disease	0	-	-	4	0	0 -100
Urologic Disease	2	0	0 -100	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	130
Occupancy Rate (%):	76
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	49
Percent of Physicians Who Are Board Certified Specialists:	51
Interns and Residents:	0
Registered Nurses:	21
Licensed Practical Nurses:	1

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

MOUNT SINAI HOSPITAL

2215 PARK AVE S
MINNEAPOLIS, MN 55404

Medicare Hospital Provider Number: 240062

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,244	9	10 - 14	1,596	8	9 - 14
Cancer	44	20	27 - 55	51	25	27 - 54
Cerebrovascular Accidents	38	24	15 - 43	50	12	20 - 40
Gastrointestinal Catastrophes	7	57	9 - 74	14	21	7 - 55
Infectious Disease	19	37	16 - 60	13	54	18 - 69
Metabolic/Electrolyte Disorders	18	22	6 - 50	22	27	8 - 49
Pulmonary Disease	74	16	18 - 38	82	20	19 - 39
Renal Failure	7	14	9 - 72	7	29	13 - 80
Severe Acute Heart Disease	43	44	28 - 58	49	14	29 - 51
Severe Chronic Heart Disease	54	19	17 - 39	88	20	18 - 36
Severe Trauma	1	0	1 - 97	0	-	-
Gastrointestinal Disease	64	2	1 - 12	101	2	1 - 9
Gynecologic Disease	6	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	91	4	1 - 13	156	3	1 - 8
Musculoskeletal/Skin Conditions	101	2	1 - 9	128	2	1 - 9
Neuropsychiatric/Sensory Disease	182	1	0 - 6	164	0	0 - 5
Urologic Disease	46	2	0 - 34	67	1	0 - 13

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	273
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	12
Registered Nurses:	117
Licensed Practical Nurses:	13

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

MOUNTAIN LAKE COMMUNITY HOSP

801 THIRD AVE
MOUNTAIN LAKE, MN 56159

Medicare Hospital Provider Number: 240134

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	128	21	10 - 25	167	19	10 - 23
Cancer	3	67	8 - 88	2	50	5 - 94
Cerebrovascular Accidents	9	33	7 - 65	7	57	8 - 72
Gastrointestinal Catastrophes	1	100	3 - 98	1	100	3 - 98
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	2	0	0 - 95	4	25	4 - 80
Pulmonary Disease	15	47	8 - 57	26	31	13 - 49
Renal Failure	1	100	0 - 97	1	0	3 - 98
Severe Acute Heart Disease	8	75	19 - 76	7	43	14 - 77
Severe Chronic Heart Disease	11	27	6 - 59	10	30	4 - 61
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	11	0	0 - 96	12	8	0 - 97
Gynecologic Disease	1	0	0 -100	1	100	0 -100
Low-Risk Heart Disease	8	0	0 -100	11	9	0 - 80
Musculoskeletal/Skin Conditions	10	0	0 - 98	15	0	0 - 51
Neuropsychiatric/Sensory Disease	7	0	0 - 72	9	0	0 - 99
Urologic Disease	2	0	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	26
Occupancy Rate (%):	23
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	3
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	8
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MURRAY COUNTY MEMORIAL HOSPITAL

2042 JUNIPER AVE
SLAYTON, MN 56172

Medicare Hospital Provider Number: 240073

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	210	14	10 - 20	251	15	10 - 20
Cancer	5	80	22 - 88	3	33	14 - 96
Cerebrovascular Accidents	5	0	9 - 65	15	53	11 - 59
Gastrointestinal Catastrophes	2	0	2 - 88	0	-	-
Infectious Disease	2	0	8 - 91	3	33	4 - 86
Metabolic/Electrolyte Disorders	4	50	1 - 85	10	20	8 - 61
Pulmonary Disease	31	23	12 - 44	28	18	13 - 44
Renal Failure	5	60	14 - 88	0	-	-
Severe Acute Heart Disease	8	75	12 - 69	15	40	20 - 67
Severe Chronic Heart Disease	4	25	3 - 80	11	27	5 - 58
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	20	0	0 - 44	25	4	0 - 43
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	33	3	0 - 30	23	9	0 - 83
Musculoskeletal/Skin Conditions	19	11	0 - 82	19	5	0 - 89
Neuropsychiatric/Sensory Disease	6	0	0 -100	5	0	0 -100
Urologic Disease	3	0	1 - 83	20	0	0 - 69

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	35
Occupancy Rate (%):	29
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	3
Percent of Physicians Who Are Board Certified Specialists:	33
Interns and Residents:	0
Registered Nurses:	9
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

NAEVE HOSPITAL ASSN

404 FOUNTAIN
ALBERT LEA, MN 56007

Medicare Hospital Provider Number: 240043

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	959	14	9 - 15	1,039	12	9 - 15
Cancer	41	68	24 - 55	40	57	26 - 59
Cerebrovascular Accidents	33	36	12 - 46	24	13	13 - 43
Gastrointestinal Catastrophes	10	20	11 - 63	6	17	10 - 72
Infectious Disease	0	-	-	5	20	8 - 76
Metabolic/Electrolyte Disorders	9	22	4 - 62	13	15	5 - 52
Pulmonary Disease	58	21	15 - 38	48	29	13 - 40
Renal Failure	0	-	-	4	75	10 - 86
Severe Acute Heart Disease	56	38	26 - 53	64	39	27 - 52
Severe Chronic Heart Disease	59	36	14 - 39	65	22	14 - 35
Severe Trauma	1	0	2 - 97	0	-	-
Gastrointestinal Disease	89	4	1 - 14	107	4	1 - 11
Gynecologic Disease	13	0	0 -100	12	0	0 -100
Low-Risk Heart Disease	73	3	1 - 13	74	4	1 - 15
Musculoskeletal/Skin Conditions	77	3	0 - 14	83	6	0 - 20
Neuropsychiatric/Sensory Disease	46	4	0 - 45	53	2	0 - 24
Urologic Disease	71	0	0 - 11	76	4	0 - 20

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	115
Occupancy Rate (%):	47
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	28
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	78
Licensed Practical Nurses:	14

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

NORTH COUNTRY HOSPITAL

1100 W 38TH ST
BEMIDJI, MN 56601

Medicare Hospital Provider Number: 240100

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	934	11	10 - 16	951	10	10 - 15
Cancer	16	13	22 - 59	26	35	30 - 67
Cerebrovascular Accidents	49	20	16 - 40	36	25	15 - 44
Gastrointestinal Catastrophes	11	27	14 - 66	6	33	11 - 77
Infectious Disease	10	10	17 - 62	7	14	12 - 69
Metabolic/Electrolyte Disorders	21	10	13 - 46	27	15	11 - 44
Pulmonary Disease	74	19	19 - 40	68	13	18 - 37
Renal Failure	6	50	10 - 82	2	50	5 - 94
Severe Acute Heart Disease	45	44	25 - 55	45	29	23 - 51
Severe Chronic Heart Disease	46	20	14 - 39	51	14	15 - 36
Severe Trauma	1	100	2 - 97	0	-	-
Gastrointestinal Disease	83	6	1 - 15	88	3	1 - 12
Gynecologic Disease	14	0	0 -100	12	0	0 -100
Low-Risk Heart Disease	94	2	2 - 10	93	4	1 - 13
Musculoskeletal/Skin Conditions	80	2	0 - 13	90	3	0 - 19
Neuropsychiatric/Sensory Disease	25	0	0 - 70	24	4	0 - 43
Urologic Disease	41	2	0 - 53	43	5	0 - 43

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 89
Occupancy Rate (%): 56
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 38
Percent of Physicians Who Are Board Certified Specialists: 95
Interns and Residents: 0
Registered Nurses: 82
Licensed Practical Nurses: 29

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

NORTH COUNTRY HEALTH SERVICES
President: Leon C. Swanson

NORTH COUNTRY HOSPITAL
1100 West 38th Street
Bemidji, Minnesota 56601
218/751-5430

October 17, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Our hospital would like the following comments to be made with the publication of our hospital's mortality rates for 1987 in the December, 1988 Federal Registry.

Hospital Characteristics

The data on hospital characteristics given for our facility, North Country Hospital, are erroneous and we believe it is imperative that they be corrected.

Erroneous Facts Released with HCFA Mortality Information		Actual Hospital Characteristics	
		1986	1987
Number of beds:	72	89	89
Occupancy rate:	64%	64%	56%
Total number of physicians:	37		39
Percent of physicians who are board certified:	43%		85%

Under specialty services, the hospital characteristics released with the HCFA mortality information states that we do not have a Hospice unit, when in fact we do have an accredited Hospice unit. The presence of our Hospice has an obvious impact on mortality data.

Medicare Hospital Mortality Information:

The mortality data also contains some errors. The date of death is incorrect for three patients. Of the patients listed, 71 died in the hospital, but 31 died after discharge from the hospital. That a patient's death after discharge is related to the quality of care in the hospital is a faulty assumption.

HCFA Mortality Study

Although mortality data for North Country Hospital is totally within HCFA's predicted mortality limits, analysis of the statistical model used indicates an inflexibility which leads to questionable reliability and validity of the results. Specifically, the HCFA analysis rests on the assumption that patients admitted to all hospitals are similar - a totally faulty assumption when applied to North Country Hospital.

For example: The hospital is located in a high unemployment, low income area with many residents uninsured or underinsured. Fifty percent of the area's households have incomes of less than $15,000 annually, and Bemidji has the lowest median family income of major cities in the state. Studies indicate these circumstances cause people to delay medical treatment and to be much sicker than average when hospitalized.

For example: The 1980 census shows a 71.6 percent increase over the prior census in the region's over age 85 population with obvious impact on mortality statistics. Elderly individuals are, of course, more susceptible to acute and chronic illness.

For example: We currently serve two Indian reservations and have been requested to provide secondary referral services to a third. The region's Indian population makes up an average 16-20 percent of our inpatient admissions. As a 1986 report on Indian Health Care from the Office of Technology Assessment indicates, the health status of Indians, in the Bemidji area is "poor," and in the three year period centered in 1981, overall mortality of Bemidji Indians exceeded that of all races by 1.7. Although small PHS hospitals exist in Red Lake and Cass Lake, neither has an intensive care unit and neither does surgery; these cases plus all high risk obstetrics are referred to North Country Hospital.

For example: We operate a Hospice program with the obvious impact on mortality statistics.

We do not understand why discharged Medicare patients who died up to 30 days after admission are included in the death rates attributed to the hospital. Thus, we question whether death rates are a true measure of the quality of care rendered by an acute care general hospital, or more a measure of community statistical characteristics.

In summary, we feel this sort of statistical analysis has value to identify potential areas for further evaluation and for quality assurance activities, but because of the model's inflexibility should not be used directly as a measure of hospital performance.

Sincerely,

L C Swanson

L. C. Swanson
President

LCS/sjs

NORTH MEM MED CTR

3300 OAKDALE NORTH
ROBBINSDALE, MN 55422

Medicare Hospital Provider Number: 240001

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,997	13	9 - 14	3,059	13	9 - 14
Cancer	62	48	27 - 55	101	48	25 - 49
Cerebrovascular Accidents	58	21	17 - 39	130	30	17 - 35
Gastrointestinal Catastrophes	22	32	16 - 57	24	29	12 - 52
Infectious Disease	24	25	16 - 54	15	27	14 - 60
Metabolic/Electrolyte Disorders	35	14	9 - 39	76	22	11 - 37
Pulmonary Disease	86	33	14 - 36	139	32	17 - 36
Renal Failure	3	67	4 - 88	8	38	15 - 81
Severe Acute Heart Disease	125	38	29 - 49	186	34	30 - 47
Severe Chronic Heart Disease	98	27	13 - 32	140	25	15 - 31
Severe Trauma	8	38	9 - 71	13	38	10 - 63
Gastrointestinal Disease	119	8	1 - 16	192	3	1 - 8
Gynecologic Disease	24	0	0 -100	20	0	0 -100
Low-Risk Heart Disease	309	5	1 - 7	456	6	2 - 7
Musculoskeletal/Skin Conditions	184	2	0 - 8	312	2	0 - 5
Neuropsychiatric/Sensory Disease	107	3	0 - 17	122	2	0 - 16
Urologic Disease	68	6	0 - 49	127	1	0 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	336
Occupancy Rate (%):	80
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	581
Percent of Physicians Who Are Board Certified Specialists:	84
Interns and Residents:	0
Registered Nurses:	540
Licensed Practical Nurses:	54

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	Yes

North
Memorial
Medical
Center®

3300 North Oakdale
Robbinsdale, Minnesota 55422
612/520-5200

October 21, 1988

Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2 - D -2
6325 Security Boulevard
Baltimore, MD 21207

ATTENTION: Sandra Kappert

Dear Ms. Kappert:

SUBJECT: Medicare Provider Number: 240001
Comments on the HCFA Mortality Data

I am responding, on behalf of Scott Anderson, to your September 15 correspondence regarding HCFA mortality data.

North Memorial Medical Center is a tertiary hospital. We are the largest private trauma center in the Twin Cities' metropolitan area. Via North-owned aeromedical and ground ambulance services, North receives patients from a 150-mile radius. North is a major center for cardiovascular services, such as open heart surgery. North also operates a Medicare-approved Hospice Program, serving both hospital and home care patients.

Hospice patients accounted for one-half of the cancer deaths and one-third of the pulmonary deaths in the study. When mortality rates are adjusted to reflect the impact of the Hospice patients, North Memorial Medical Center is toward the low end of the range for predicted mortality in the areas of cancer (33%) and pulmonary disease (25%).

Given the increased severity of illness associated with these services, the medical staff and administration of North Memorial are pleased that the reported mortality rates are within the predicted range overall, and in each of 16 diagnostic categories.

Quality of care is of utmost concern to the North Memorial governing board, management, and medical staff. As part of North Memorial's quality assurance program, all deaths are reviewed. Mortality review is but one part of a comprehensive quality assurance program. The American Hospital Association and other groups, such as the Joint Commission on Accreditation of Healthcare Organizations, are investigating methods of evaluating hospital quality that rely on measures other than mortality. North will include these as part of future quality assurance activities.

We are in agreement with Dr. Roper, HCFA's Administrator, in his statement that ". . . until we have developed additional statistical measures to deal with complex issues such as severity of illness, we cannot and do not recommend the use of the information by itself to make judgments about the quality of care in an individual hospital or to make comparisons among hospitals."

We appreciate the opportunity to be able to comment on the mortality data. If you have questions, please contact us.

Sincerely,

Richard H. Peterson
Executive Vice President
Chief Operating Officer

bp

enclosure

NORTHERN ITASCA HOSPITAL

258 PINE TREE DRIVE
BIGFORK, MN 56628

Medicare Hospital Provider Number: 240163

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	65	9	11 - 27	83	17	8 - 25
Cancer	1	0	0 - 99	1	100	1 - 97
Cerebrovascular Accidents	5	20	5 - 74	4	25	4 - 79
Gastrointestinal Catastrophes	1	0	2 - 97	0	-	-
Infectious Disease	3	0	5 - 79	4	0	5 - 71
Metabolic/Electrolyte Disorders	1	0	0 -100	0	-	-
Pulmonary Disease	7	29	11 - 72	6	50	5 - 74
Renal Failure	1	100	3 -100	0	-	-
Severe Acute Heart Disease	3	0	13 - 85	7	57	13 - 76
Severe Chronic Heart Disease	3	0	4 - 79	4	50	1 - 84
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	2	0	0 -100	4	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	9	0	0 - 82	18	11	0 - 57
Musculoskeletal/Skin Conditions	5	20	0 - 93	8	0	0 -100
Neuropsychiatric/Sensory Disease	1	0	0 -100	2	0	0 -100
Urologic Disease	6	0	0 - 99	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	56
Occupancy Rate (%):	71
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	9
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	6
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

NORTHFIELD CITY HOSP

800 W 2ND ST
NORTHFIELD, MN 55057

Medicare Hospital Provider Number: 240014

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	209	11	7 - 17	251	12	8 - 17
Cancer	5	40	13 - 84	6	50	13 - 80
Cerebrovascular Accidents	3	0	4 - 79	15	40	9 - 57
Gastrointestinal Catastrophes	1	100	3 - 99	2	0	2 - 88
Infectious Disease	1	0	2 - 97	1	100	2 - 97
Metabolic/Electrolyte Disorders	3	0	1 - 84	2	0	1 - 89
Pulmonary Disease	6	0	5 - 57	11	18	7 - 56
Renal Failure	0	-	-	1	0	3 - 99
Severe Acute Heart Disease	9	11	15 - 62	11	36	23 - 75
Severe Chronic Heart Disease	12	25	13 - 61	12	8	8 - 48
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	15	0	0 - 83	30	3	0 - 41
Gynecologic Disease	2	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	20	5	0 - 54	25	4	0 - 45
Musculoskeletal/Skin Conditions	18	0	0 - 56	19	11	0 -100
Neuropsychiatric/Sensory Disease	5	20	0 -100	7	0	0 -100
Urologic Disease	10	10	0 -100	9	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	77
Occupancy Rate (%):	64
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	64
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	28
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

NORTHWESTERN HOSPITAL

120 LABREE AVE S
THIEF RIVER FALLS, MN 56701

Medicare Hospital Provider Number: 240017

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	494	9	10 - 16	716	16	11 - 18
Cancer	7	57	8 - 72	18	61	21 - 65
Cerebrovascular Accidents	26	23	18 - 51	42	43	15 - 46
Gastrointestinal Catastrophes	1	100	0 - 98	4	25	7 - 81
Infectious Disease	11	27	13 - 65	10	20	17 - 68
Metabolic/Electrolyte Disorders	18	0	14 - 41	39	10	10 - 37
Pulmonary Disease	25	20	15 - 49	39	8	13 - 35
Renal Failure	3	0	7 - 82	1	100	1 - 97
Severe Acute Heart Disease	21	24	19 - 56	46	48	25 - 55
Severe Chronic Heart Disease	22	23	12 - 47	31	32	14 - 47
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	38	0	0 - 16	57	4	1 - 16
Gynecologic Disease	9	0	0 -100	13	0	0 -100
Low-Risk Heart Disease	36	6	1 - 28	59	7	0 - 22
Musculoskeletal/Skin Conditions	56	4	1 - 17	61	2	1 - 13
Neuropsychiatric/Sensory Disease	16	6	0 - 97	15	7	0 -100
Urologic Disease	36	0	0 - 39	57	4	0 - 20

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	189
Occupancy Rate (%):	66
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	18
Percent of Physicians Who Are Board Certified Specialists:	56
Interns and Residents:	0
Registered Nurses:	43
Licensed Practical Nurses:	28

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Northwest
Medical Center

October 14, 1988

Health Standards and Quality Bureau, HCFA
Attn: Mrs. Sandra Kappert
2 - D - 2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

RE: Hospital Mortality Rates
Medicare Provider #: 240017

Dear Mrs. Kappert:

I am responding on behalf of Northwest Medical Center with comments relative to the impending release of hospital specific mortality data, as proposed in your September 15, 1988 letter.

We are pleased to have the opportunity in which to preview the statistics and mortality data prior to their public release, and to be able to provide comments which may be incorporated with this public release.

According to the data we have received from your offices, Northwest Medical Center falls below or within the range of predicted mortality rates in all of the 16 diagnostic categories specified in your draft release.

We do have a concern over the potential use of this data, and thus its public distribution. As you know, the HCFA data base includes only those Medicare admissions that were the last admission of the year for each Medicare patient during calendar year 1987, and only includes those deaths that occurred within 30 days of this last admission, even if the death occurred after the patient was discharged, and even if the death was unrelated to the "cause" implied by the diagnostic category. In our specific case, there were 44 deaths which fit this criteria, out of a total of 494 cases during the year. Of these 44, 12 died within 30 days after discharge from our facility. Of these 12 who died within 30 days after discharge, 6 died of causes unrelated to the principal diagnostic category specified.

A new addition to this year's statistical release is a listing of the number of beds and occupancy rate of the facility, along with total number of physicians, nursing staff per bed and type of specialty services available. We object to the inclusion of this data on two counts: one, we feel it is inappropriate to release this type of data in tandem with the mortality data, as the public will be led to assume that statistics such as occupancy rate and number of interns and residents per bed are related to a particular hospital's

120 LaBree Avenue South
Thief River Falls, MN 56701
Phone: (218) 681-4240

clinical quality; and two, the data is incorrect: we are listed as having 69 beds and an occupancy rate of 69%, wherein reality the AHA survey tape for 1986, when interpreted correctly, shows that we reported an acute bed capacity of 99 beds. I wonder what other errors have been reported for other hospitals.

We do not feel that the mortality statistics are an adequate or sufficient measure of comparable quality of care being delivered, nor do we feel that this data is an appropriate base from which to compare various hospitals. You state in your September 15, 1988, letter that "in the public release of information, HCFA will stress that the information by itself is not a complete measure of the quality of care at an individual hospital....we cannot and do not recommend the use of the information by itself to make judgments about the quality of care in an individual hospital or to make comparisons among hospitals. Individual hospitals may have very good reasons for their rates being higher than the ranges predicted by HCFA's model." However, what other potential use of the data could there be, other than inter-institutional comparison? You offer hospitals the opportunity to comment on the data and the so called "range for predicted mortality" while we have no opportunity to comment on the statistical methods used to generate those predicted, and presumably "appropriate," ranges.

The only appropriate measure of quality of care being delivered should focus on both process as well as outcome. Facilities that are accredited by the Joint Commission on Accreditation of Healthcare Organizations (JCAHO) review patient care process and outcomes on an ongoing basis as part of their quality assurance program. These reviews establish criteria which assess the quality of care according to previously established appropriate quality "screens" for care being delivered to patients. Instances which appear not to meet these "screens" are reviewed by physicians on an individual case by case basis. This process is a far more appropriate one by which to internally monitor quality of care being delivered. We at Northwest Medical Center remain more than happy to discuss our process of internal quality assurance with interested members of the public.

Again, we feel the release of the data as proposed by HCFA is untimely, as it does not put forth a usable template nor process by which to gauge quality.

We appreciate the opportunity to review this data in advance of its publication, however, and the opportunity to provide these comments.

Sincerely,

Jon D. Braband

Jon D. Braband
Associate Administrator

JDB:bw

OLMSTED COMMUNITY HOSPITAL

1650 4TH STREET SE
ROCHESTER, MN 55904

Medicare Hospital Provider Number: 240006

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	254	9	8 - 16	232	12	9 - 18
Cancer	9	33	12 - 69	8	13	13 - 65
Cerebrovascular Accidents	7	29	5 - 68	11	18	9 - 57
Gastrointestinal Catastrophes	0	-	-	3	100	4 - 79
Infectious Disease	9	11	15 - 63	7	29	5 - 69
Metabolic/Electrolyte Disorders	4	0	1 - 75	2	0	1 - 90
Pulmonary Disease	16	19	11 - 51	17	24	8 - 50
Renal Failure	2	50	5 - 94	0	-	-
Severe Acute Heart Disease	11	27	13 - 64	11	9	24 - 66
Severe Chronic Heart Disease	10	20	3 - 58	14	21	8 - 52
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	18	0	0 - 64	22	9	0 - 76
Gynecologic Disease	2	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	19	0	0 - 35	16	19	0 - 89
Musculoskeletal/Skin Conditions	45	2	0 - 47	26	0	0 - 28
Neuropsychiatric/Sensory Disease	6	0	0 -100	7	14	0 -100
Urologic Disease	2	0	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 49
Occupancy Rate (%): 37
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: (not available)
Percent of Physicians Who Are Board Certified Specialists: (not available)
Interns and Residents: (not available)
Registered Nurses: (not available)
Licensed Practical Nurses: (not available)

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

Olmsted
Community
Hospital

October 21, 1988

Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Re: Provider Number 240006

In response to the HCFA mortality rates, our records indicate the number of patients reported as having died in our hospital is correct and as far as can be determined the number of past discharge deaths is also accurate.

Our records also indicate that the number of Medicare patients discharged from our hospital in 1987 was 381, compared to the 254 cases included in the HCFA analysis. The total number of hospital beds is 61 not 21 as indicated on the mortality information sheet.

Whereas our actual mortality rates were within HCFA's predicted range, each case was reviewed to assure appropriateness of care, and no problems were identified.

Quality of care is of the utmost concern to Olmsted Community Hospital's governing board, medical staff and management. Though the HCFA mortality rates, by themselves, cannot measure quality of care, the data can be evaluated through peer review to determine if a quality problem exists. In accordance with the hospital's quality assurance program, when quality problems are identified, corrective action is promptly taken.

Sincerely,

Joseph C Cartney

Joseph C. Cartney
Admnistrator

JCC/pt

ORTONVILLE MUNICIPAL HOSP

720 EASTVOLD AVE
ORTONVILLE, MN 56278

Medicare Hospital Provider Number: 240111

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	157	15	8 - 20	168	13	8 - 19
Cancer	4	75	10 - 83	4	50	6 - 83
Cerebrovascular Accidents	4	0	2 - 72	6	17	3 - 69
Gastrointestinal Catastrophes	1	100	1 - 97	0	-	-
Infectious Disease	0	-	-	1	100	1 - 97
Metabolic/Electrolyte Disorders	0	-	-	4	50	1 - 88
Pulmonary Disease	11	45	8 - 63	13	15	5 - 50
Renal Failure	2	50	3 - 93	2	100	11 - 97
Severe Acute Heart Disease	18	28	20 - 61	15	7	22 - 55
Severe Chronic Heart Disease	7	14	4 - 63	3	33	0 - 94
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	21	5	0 - 65	18	0	0 - 60
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	13	0	0 - 61	20	5	0 - 55
Musculoskeletal/Skin Conditions	14	0	0 - 97	17	6	0 - 62
Neuropsychiatric/Sensory Disease	4	0	0 -100	5	20	0 -100
Urologic Disease	10	10	0 -100	7	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 105
Occupancy Rate (%): 76
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 3
Percent of Physicians Who Are Board Certified Specialists: 67
Interns and Residents: 0
Registered Nurses: 6
Licensed Practical Nurses: 5

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

PARKERS PRAIRIE DISTRICT HOSPITAL

310 NORTH CLAYBORN AVENUE
PARKERS PRAIRIE, MN 56361

Medicare Hospital Provider Number: 240167

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	67	18	6 - 26	84	8	9 - 22
Cancer	0	-	-	1	100	0 - 99
Cerebrovascular Accidents	1	0	0 - 99	5	0	4 - 63
Gastrointestinal Catastrophes	1	0	1 - 97	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	2	50	0 - 94	4	25	3 - 80
Pulmonary Disease	5	0	7 - 64	3	0	6 - 80
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	4	75	7 - 81	12	25	20 - 67
Severe Chronic Heart Disease	1	0	0 - 99	4	0	5 - 70
Severe Trauma	1	0	0 - 98	0	-	-
Gastrointestinal Disease	3	0	0 -100	6	17	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	3	0	0 -100	5	0	0 - 99
Musculoskeletal/Skin Conditions	3	0	0 -100	6	0	0 -100
Neuropsychiatric/Sensory Disease	5	0	0 -100	8	0	0 - 98
Urologic Disease	4	0	0 - 99	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	18
Occupancy Rate (%):	17
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

PAYNESVILLE COMM HOSP

200 1ST W
PAYNESVILLE, MN 56362

Medicare Hospital Provider Number: 240122

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	133	12	10 - 22	199	14	12 - 22
Cancer	0	-	-	4	50	12 - 88
Cerebrovascular Accidents	6	17	5 - 68	8	13	14 - 65
Gastrointestinal Catastrophes	1	0	0 - 99	2	0	1 - 90
Infectious Disease	1	0	1 - 97	1	0	3 - 98
Metabolic/Electrolyte Disorders	10	20	4 - 59	17	12	10 - 48
Pulmonary Disease	17	35	17 - 61	19	26	12 - 52
Renal Failure	0	-	-	1	100	3 - 98
Severe Acute Heart Disease	7	14	15 - 70	12	33	21 - 71
Severe Chronic Heart Disease	7	29	6 - 69	18	39	9 - 53
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	18	6	0 - 62	16	0	0 - 96
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	19	11	0 - 59	23	0	0 - 31
Musculoskeletal/Skin Conditions	2	0	0 -100	8	0	0 - 98
Neuropsychiatric/Sensory Disease	3	0	0 -100	7	0	0 -100
Urologic Disease	6	0	0 -100	10	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	94
Occupancy Rate (%):	73
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	16
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

PELICAN VALLEY HEALTH CENTER

211 E MILL STREET
PELICAN RAPIDS, MN 56572

Medicare Hospital Provider Number: 240140

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	57	9	7 - 23	99	12	7 - 21
Cancer	2	50	2 - 92	1	100	1 - 97
Cerebrovascular Accidents	0	-	-	3	67	2 - 86
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	2	50	2 - 92	1	100	0 - 98
Pulmonary Disease	4	0	4 - 70	17	18	8 - 48
Renal Failure	1	100	3 - 98	2	50	7 - 97
Severe Acute Heart Disease	1	0	1 - 97	1	0	1 - 97
Severe Chronic Heart Disease	7	0	11 - 56	6	0	7 - 58
Severe Trauma	1	100	0 - 98	0	-	-
Gastrointestinal Disease	5	0	0 -100	7	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	10	0	0 - 90	14	0	0 - 76
Musculoskeletal/Skin Conditions	6	0	0 - 99	9	0	0 - 99
Neuropsychiatric/Sensory Disease	2	0	0 -100	3	0	0 -100
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	59
Occupancy Rate (%):	80
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	46
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

PIPESTONE COUNTY MEDICAL CENTER

911 FIFTH AVE SW
PIPESTONE, MN 56164

Medicare Hospital Provider Number: 240123

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	270	14	9 - 18	259	20	10 - 21
Cancer	3	33	3 - 86	4	75	9 - 82
Cerebrovascular Accidents	18	39	11 - 55	22	41	11 - 51
Gastrointestinal Catastrophes	2	0	2 - 89	6	33	6 - 74
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	1	0	0 -100	6	0	1 - 63
Pulmonary Disease	18	22	13 - 53	17	53	13 - 59
Renal Failure	2	50	5 - 94	2	50	3 - 93
Severe Acute Heart Disease	13	46	19 - 69	15	47	24 - 71
Severe Chronic Heart Disease	15	60	7 - 56	19	21	9 - 48
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	32	3	0 - 31	14	7	0 - 99
Gynecologic Disease	4	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	17	0	0 - 61	13	8	0 - 99
Musculoskeletal/Skin Conditions	30	3	0 - 46	30	7	0 - 47
Neuropsychiatric/Sensory Disease	9	11	0 -100	3	0	0 -100
Urologic Disease	3	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	87
Occupancy Rate (%):	61
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	15
Percent of Physicians Who Are Board Certified Specialists:	33
Interns and Residents:	0
Registered Nurses:	11
Licensed Practical Nurses:	1

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

QUEEN OF PEACE HOSPITAL

301 2ND ST NE
NEW PRAGUE, MN 56071

Medicare Hospital Provider Number: 240037

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	216	12	9 - 18	332	13	12 - 20
Cancer	4	75	18 - 92	10	70	21 - 74
Cerebrovascular Accidents	9	11	14 - 61	12	17	9 - 54
Gastrointestinal Catastrophes	1	0	1 - 97	2	0	8 - 92
Infectious Disease	1	0	0 - 99	5	60	11 - 82
Metabolic/Electrolyte Disorders	5	20	1 - 78	10	0	4 - 44
Pulmonary Disease	14	29	4 - 54	41	34	17 - 47
Renal Failure	2	50	7 - 96	2	100	8 - 93
Severe Acute Heart Disease	11	9	25 - 66	27	22	26 - 58
Severe Chronic Heart Disease	17	24	7 - 49	11	9	9 - 51
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	14	0	0 - 80	21	5	0 - 59
Gynecologic Disease	1	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	20	5	0 - 71	32	6	0 - 35
Musculoskeletal/Skin Conditions	25	8	0 - 83	33	0	0 - 43
Neuropsychiatric/Sensory Disease	4	0	0 -100	5	0	0 -100
Urologic Disease	7	0	0 -100	13	8	0 - 95

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	56
Occupancy Rate (%):	29
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	28
Percent of Physicians Who Are Board Certified Specialists:	68
Interns and Residents:	0
Registered Nurses:	17
Licensed Practical Nurses:	10

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

RED LAKE HOSPITAL

REDLAKE, MN 56671

Medicare Hospital Provider Number: 240206

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	41	0	5 - 15	39	5	7 - 24
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	1	0	0 - 99	3	33	2 - 86
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	1	0	2 - 97
Metabolic/Electrolyte Disorders	2	0	1 - 91	1	0	0 - 98
Pulmonary Disease	0	-	-	3	0	7 - 80
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	1	0	1 - 97
Severe Chronic Heart Disease	4	0	8 - 71	5	0	3 - 64
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	2	0	0 -100	3	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	11	0	0 - 83	7	0	0 - 95
Musculoskeletal/Skin Conditions	5	0	0 - 96	4	0	0 -100
Neuropsychiatric/Sensory Disease	0	-	-	0	-	-
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	23
Ownership/Control:	Federal Government

STAFFING

Interns and Residents:	0
Registered Nurses:	24
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

REDWOOD FALLS MUNICIPAL HOSPITAL

100 FALLWOOD RD
REDWOOD FALLS, MN 56283

Medicare Hospital Provider Number: 240124

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	320	13	11 - 19	358	20	12 - 21
Cancer	8	25	16 - 73	8	63	16 - 76
Cerebrovascular Accidents	22	23	13 - 49	24	29	12 - 49
Gastrointestinal Catastrophes	4	50	11 - 87	5	40	8 - 79
Infectious Disease	7	14	8 - 66	4	50	8 - 85
Metabolic/Electrolyte Disorders	6	17	2 - 70	10	20	5 - 59
Pulmonary Disease	16	6	21 - 52	33	36	14 - 48
Renal Failure	3	33	6 - 89	2	50	6 - 95
Severe Acute Heart Disease	19	47	22 - 65	27	41	24 - 61
Severe Chronic Heart Disease	16	13	12 - 48	37	35	11 - 43
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	31	6	0 - 43	30	3	0 - 33
Gynecologic Disease	1	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	29	7	0 - 50	26	0	0 - 26
Musculoskeletal/Skin Conditions	28	0	1 - 18	22	0	0 - 50
Neuropsychiatric/Sensory Disease	7	0	0 - 97	5	0	0 - 96
Urologic Disease	7	0	0 -100	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	43
Occupancy Rate (%):	28
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

REGINA MEMORIAL HOSPITAL

NINIGER ROAD
HASTINGS, MN 55033

Medicare Hospital Provider Number: 240059

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	233	12	8 - 17	301	12	10 - 18
Cancer	6	67	15 - 81	9	44	20 - 78
Cerebrovascular Accidents	7	57	7 - 71	16	31	12 - 56
Gastrointestinal Catastrophes	4	50	7 - 83	5	60	13 - 84
Infectious Disease	3	67	2 - 86	5	0	12 - 68
Metabolic/Electrolyte Disorders	1	0	0 -100	3	0	1 - 86
Pulmonary Disease	17	18	9 - 48	18	6	10 - 40
Renal Failure	2	100	7 - 91	4	25	10 - 86
Severe Acute Heart Disease	13	15	22 - 64	14	29	20 - 66
Severe Chronic Heart Disease	13	23	6 - 54	19	21	12 - 49
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	13	0	0 - 91	25	4	0 - 55
Gynecologic Disease	3	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	29	0	0 - 24	22	9	0 - 50
Musculoskeletal/Skin Conditions	18	6	0 - 93	28	0	0 - 44
Neuropsychiatric/Sensory Disease	16	0	0 - 87	12	0	0 -100
Urologic Disease	7	0	0 -100	16	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	141
Occupancy Rate (%):	57
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	22
Percent of Physicians Who Are Board Certified Specialists:	73
Interns and Residents:	0
Registered Nurses:	36
Licensed Practical Nurses:	9

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

RENVILLE CO HOSP

611 EAST FAIRVIEW
OLIVIA, MN 56277

Medicare Hospital Provider Number: 240173

Diagnostic Category	Calender Year 1987 Cases	Calender Year 1987 Actual Mortality Rate (%)	Calender Year 1987 Range For Predicted Mortality (%)	Calender Year 1986 Cases	Calender Year 1986 Actual Mortality Rate (%)	Calender Year 1986 Range For Predicted Mortality (%)
All Cases	246	17	10 - 20	251	15	9 - 19
Cancer	9	100	31 - 68	7	71	18 - 79
Cerebrovascular Accidents	9	22	5 - 61	15	33	11 - 57
Gastrointestinal Catastrophes	2	50	2 - 92	0	-	-
Infectious Disease	1	0	3 - 98	0	-	-
Metabolic/Electrolyte Disorders	3	67	1 - 89	6	17	11 - 73
Pulmonary Disease	12	33	11 - 62	24	21	12 - 47
Renal Failure	3	67	8 - 90	1	0	0 - 99
Severe Acute Heart Disease	12	42	12 - 64	8	63	19 - 79
Severe Chronic Heart Disease	17	12	13 - 47	11	18	4 - 55
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	32	0	0 - 20	18	0	0 - 61
Gynecologic Disease	1	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	27	4	1 - 30	33	6	0 - 55
Musculoskeletal/Skin Conditions	16	0	0 - 69	25	4	0 - 49
Neuropsychiatric/Sensory Disease	6	0	0 -100	2	0	0 -100
Urologic Disease	12	0	0 -100	13	8	0 - 85

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	35
Occupancy Rate (%):	26
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	Yes

RICE CO DISTRICT 1 HOSP

631 1ST ST SE
FARIBAULT, MN 55021

Medicare Hospital Provider Number: 240071

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	685	12	10 - 16	753	11	10 - 15
Cancer	13	69	22 - 71	11	36	19 - 72
Cerebrovascular Accidents	22	23	11 - 47	27	26	16 - 50
Gastrointestinal Catastrophes	11	0	25 - 60	4	25	6 - 81
Infectious Disease	2	50	2 - 92	8	38	10 - 71
Metabolic/Electrolyte Disorders	14	14	5 - 50	5	20	6 - 75
Pulmonary Disease	50	22	15 - 40	44	14	14 - 37
Renal Failure	1	100	2 - 98	1	0	3 - 99
Severe Acute Heart Disease	30	53	25 - 60	25	36	25 - 62
Severe Chronic Heart Disease	53	26	14 - 38	77	26	16 - 37
Severe Trauma	1	100	1 - 97	1	100	3 - 98
Gastrointestinal Disease	78	3	1 - 12	61	5	1 - 19
Gynecologic Disease	7	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	62	2	1 - 12	87	6	1 - 14
Musculoskeletal/Skin Conditions	72	1	1 - 11	71	1	1 - 11
Neuropsychiatric/Sensory Disease	24	8	0 - 85	18	0	0 - 90
Urologic Disease	40	0	0 - 23	35	0	0 - 75

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 84
Occupancy Rate (%): 41
Ownership/Control: District/Authority

STAFFING

Total Number of Physicians: (not available)
Percent of Physicians Who Are Board Certified Specialists: (not available)
Interns and Residents: (not available)
Registered Nurses: (not available)
Licensed Practical Nurses: (not available)

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

RICE COUNTY
District One Hospital
631 S.E. First Street • Faribault, MN 55021 • (507) 334-6451

October 20, 1988

COMMENTS ON MEDICARE HOSPITAL MORTALITY INFORMATION
Medicare Number: 240071

Rice County District One Hospital is affiliated with a hospice program. The program is located in the hospital. The hospital also maintains a combination ICU/CCU department.

The low number of cases in certain diagnostic categories makes it difficult to draw any definitive conclusions from the data.

Questions regarding the hospital's mortality information should be directed to the Executive Director.

Larry A. Schulz
Executive Director

RICE MEM HOSP

301 BECKER AVE NW
WILLMAR, MN 56201

Medicare Hospital Provider Number: 240088

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,446	11	9 - 14	1,538	11	10 - 15
Cancer	70	34	28 - 54	61	49	29 - 57
Cerebrovascular Accidents	42	26	14 - 42	56	39	15 - 42
Gastrointestinal Catastrophes	12	58	16 - 69	18	50	18 - 65
Infectious Disease	16	44	16 - 63	11	36	15 - 69
Metabolic/Electrolyte Disorders	7	14	5 - 64	17	24	10 - 53
Pulmonary Disease	55	33	15 - 41	65	17	16 - 37
Renal Failure	4	50	13 - 91	5	80	21 - 94
Severe Acute Heart Disease	81	41	27 - 51	80	32	31 - 54
Severe Chronic Heart Disease	47	30	13 - 40	69	32	16 - 39
Severe Trauma	1	0	1 - 97	2	0	5 - 89
Gastrointestinal Disease	117	3	1 - 10	118	1	1 - 7
Gynecologic Disease	17	0	0 -100	18	0	0 -100
Low-Risk Heart Disease	82	5	1 - 14	106	2	2 - 9
Musculoskeletal/Skin Conditions	299	1	1 - 4	274	0	1 - 4
Neuropsychiatric/Sensory Disease	29	7	0 - 63	38	5	0 - 73
Urologic Disease	89	1	0 - 12	78	1	0 - 23

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	148
Occupancy Rate (%):	55
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	71
Percent of Physicians Who Are Board Certified Specialists:	87
Interns and Residents:	0
Registered Nurses:	138
Licensed Practical Nurses:	44

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

RIVERVIEW HOSPITAL

323 SOUTH MINNESOTA
CROOKSTON, MN 56716

Medicare Hospital Provider Number: 240041

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	483	14	11 - 18	484	14	10 - 17
Cancer	3	67	8 - 89	7	71	24 - 85
Cerebrovascular Accidents	27	37	14 - 50	15	20	13 - 55
Gastrointestinal Catastrophes	3	33	3 - 86	5	80	12 - 79
Infectious Disease	16	19	15 - 57	12	42	12 - 65
Metabolic/Electrolyte Disorders	20	0	8 - 33	26	8	5 - 36
Pulmonary Disease	40	32	10 - 41	34	41	15 - 48
Renal Failure	3	0	6 - 82	0	-	-
Severe Acute Heart Disease	40	45	26 - 57	33	39	22 - 55
Severe Chronic Heart Disease	20	20	10 - 46	24	13	12 - 42
Severe Trauma	0	-	-	1	0	0 - 98
Gastrointestinal Disease	24	4	0 - 83	38	5	0 - 40
Gynecologic Disease	2	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	28	0	0 - 23	29	0	1 - 18
Musculoskeletal/Skin Conditions	65	5	0 - 34	72	0	0 - 10
Neuropsychiatric/Sensory Disease	14	7	0 - 81	13	0	0 - 79
Urologic Disease	16	0	0 - 99	11	18	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	149
Occupancy Rate (%):	77
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	13
Percent of Physicians Who Are Board Certified Specialists:	54
Interns and Residents:	0
Registered Nurses:	32
Licensed Practical Nurses:	22

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ROCHESTER METHODIST HOSP

201 W CENTER ST
ROCHESTER, MN 55901

Medicare Hospital Provider Number: 240061

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	5,629	6	9 - 12	5,944	6	9 - 13
Cancer	513	22	31 - 47	523	20	32 - 47
Cerebrovascular Accidents	34	15	12 - 38	33	27	17 - 48
Gastrointestinal Catastrophes	39	10	22 - 49	40	30	22 - 55
Infectious Disease	42	29	25 - 56	50	28	20 - 50
Metabolic/Electrolyte Disorders	41	15	11 - 40	34	12	12 - 41
Pulmonary Disease	138	19	20 - 37	136	26	20 - 38
Renal Failure	49	14	7 - 53	51	12	6 - 54
Severe Acute Heart Disease	66	23	28 - 51	81	28	31 - 53
Severe Chronic Heart Disease	132	11	17 - 30	122	17	18 - 34
Severe Trauma	1	0	0 - 98	0	-	-
Gastrointestinal Disease	370	0	2 - 5	411	2	2 - 5
Gynecologic Disease	95	0	0 - 93	78	0	0 - 65
Low-Risk Heart Disease	242	3	2 - 7	258	3	2 - 7
Musculoskeletal/Skin Conditions	745	1	1 - 4	895	1	1 - 4
Neuropsychiatric/Sensory Disease	314	1	1 - 5	383	1	1 - 5
Urologic Disease	391	1	0 - 5	351	1	0 - 6

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	680
Occupancy Rate (%):	70
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	856
Percent of Physicians Who Are Board Certified Specialists:	81
Interns and Residents:	0
Registered Nurses:	610
Licensed Practical Nurses:	112

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

Rochester Methodist Hospital
A MAYO FOUNDATION HOSPITAL

October 21, 1988

William L. Roper, M.D.
Administrator
Health Care Financing Administration
Attention: Mrs. Sandra Kappert
Health Standard and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Dr. Roper:

RE: Medicare Provider #24-0061

The following are our comments regarding HCFA's release of hospital-specific mortality data.

While we welcome HCFA's efforts to assess institutional quality of care, this particular mortality-based method requires further validation before it can be considered useful. The potential for misunderstanding this information, both by consumers and professionals, is great, and we caution anyone against using the data as an index of quality.

We do support the concept of developing objective measures of assessing quality care. In fact, we are evaluating several methods in our hospital but believe that reliable measures are still years away. We welcome the opportunity to contribute to progress toward this goal.

Under separate cover, we are forwarding corrected hospital characteristics.

Sincerely,

Dale A Rings

Dale A. Rings
Administrator

DAR:jms

201 West Center Street • Rochester, Minnesota 55902 • Telephone 507-286-7890

ROSEAU AREA HOSPITAL DISTRICT

715 DELMORE DRIVE
ROSEAU, MN 56751

Medicare Hospital Provider Number: 240153

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	170	15	12 - 23	189	14	11 - 22
Cancer	4	75	13 - 86	5	100	21 - 77
Cerebrovascular Accidents	17	24	12 - 52	12	33	11 - 62
Gastrointestinal Catastrophes	1	100	3 - 99	2	100	6 - 90
Infectious Disease	4	0	21 - 85	4	0	14 - 77
Metabolic/Electrolyte Disorders	12	8	7 - 50	8	0	9 - 52
Pulmonary Disease	14	29	8 - 55	27	26	13 - 48
Renal Failure	2	100	10 - 95	0	-	-
Severe Acute Heart Disease	5	20	10 - 77	10	10	19 - 63
Severe Chronic Heart Disease	13	31	8 - 57	5	60	3 - 77
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	15	0	0 - 57	10	10	0 - 97
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	30	0	0 - 21	34	0	2 - 15
Musculoskeletal/Skin Conditions	6	0	0 - 86	8	0	0 -100
Neuropsychiatric/Sensory Disease	3	0	0 -100	7	0	0 -100
Urologic Disease	5	0	0 -100	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	109
Occupancy Rate (%):	70
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	8
Percent of Physicians Who Are Board Certified Specialists:	88
Interns and Residents:	0
Registered Nurses:	17
Licensed Practical Nurses:	12

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

RUSH CITY HOSPITAL

760 W 4TH ST
RUSH CITY, MN 55069

Medicare Hospital Provider Number: 240169

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	69	19	8 - 27	92	12	9 - 23
Cancer	3	100	15 - 88	2	50	8 - 97
Cerebrovascular Accidents	5	0	7 - 64	6	33	4 - 73
Gastrointestinal Catastrophes	1	100	2 - 97	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	3	0	3 - 79
Pulmonary Disease	6	33	2 - 75	10	20	4 - 58
Renal Failure	2	50	7 - 99	0	-	-
Severe Acute Heart Disease	1	0	1 - 97	7	43	16 - 79
Severe Chronic Heart Disease	4	50	2 - 83	6	0	6 - 57
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	6	17	0 -100	8	0	0 - 93
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	10	0	0 - 53	10	0	0 - 88
Musculoskeletal/Skin Conditions	4	0	0 -100	6	0	0 -100
Neuropsychiatric/Sensory Disease	0	-	-	4	25	0 -100
Urologic Disease	2	50	0 -100	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	29
Occupancy Rate (%):	7
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	0
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SAMARITAN HOSPITAL

1515 CHARLES AVE
SAINT PAUL, MN 55104

Medicare Hospital Provider Number: 240024

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	231	16	11 - 21	374	12	10 - 17
Cancer	4	75	13 - 86	10	40	12 - 68
Cerebrovascular Accidents	8	25	6 - 65	16	25	10 - 53
Gastrointestinal Catastrophes	4	25	7 - 81	4	0	10 - 74
Infectious Disease	7	43	8 - 73	4	75	7 - 81
Metabolic/Electrolyte Disorders	9	11	7 - 58	6	0	5 - 58
Pulmonary Disease	25	24	13 - 48	24	21	14 - 49
Renal Failure	1	0	1 - 97	5	0	12 - 75
Severe Acute Heart Disease	10	50	17 - 73	18	61	23 - 66
Severe Chronic Heart Disease	14	21	6 - 51	19	26	9 - 49
Severe Trauma	2	0	1 - 90	0	-	-
Gastrointestinal Disease	21	5	0 - 55	33	0	1 - 17
Gynecologic Disease	2	0	0 -100	0	-	-
Low-Risk Heart Disease	26	0	0 - 27	51	4	1 - 18
Musculoskeletal/Skin Conditions	23	13	1 - 44	39	5	0 - 42
Neuropsychiatric/Sensory Disease	9	0	0 - 93	9	0	0 - 84
Urologic Disease	13	0	0 - 99	8	0	0 - 98

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1984

Total Beds (#):	150
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	32
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

SANDSTONE AREA HOSP

317 COURT AVENUE
SANDSTONE, MN 55072

Medicare Hospital Provider Number: 240058

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	88	10	7 - 21	124	17	9 - 23
Cancer	3	0	7 - 80	0	-	-
Cerebrovascular Accidents	3	33	2 - 86	8	13	9 - 61
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	1	0	0 -100	4	0	2 - 73
Pulmonary Disease	10	30	4 - 61	13	46	11 - 62
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	4	25	6 - 80	7	14	15 - 71
Severe Chronic Heart Disease	8	0	6 - 48	15	27	5 - 52
Severe Trauma	0	-	-	2	50	2 - 92
Gastrointestinal Disease	7	14	0 -100	5	0	0 - 99
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	10	0	0 -100	19	5	0 - 83
Musculoskeletal/Skin Conditions	4	0	0 -100	6	0	0 -100
Neuropsychiatric/Sensory Disease	0	-	-	0	-	-
Urologic Disease	5	20	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	23
Occupancy Rate (%):	17
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	3
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	7
Licensed Practical Nurses:	1

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SANFORD MEMORIAL HOSPITAL

913 MAIN STREET
FARMINGTON, MN 55024

Medicare Hospital Provider Number: 240097

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	78	18	7 - 25	96	6	9 - 20
Cancer	3	33	8 - 89	2	0	8 - 92
Cerebrovascular Accidents	3	0	6 - 79	6	0	12 - 62
Gastrointestinal Catastrophes	2	50	3 - 92	0	-	-
Infectious Disease	1	0	1 - 97	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	6	50	3 - 74	4	25	5 - 80
Renal Failure	1	0	2 - 97	1	100	0 - 97
Severe Acute Heart Disease	2	50	6 - 94	6	17	10 - 71
Severe Chronic Heart Disease	3	33	3 - 86	3	0	2 - 80
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	4	0	0 -100	3	0	0 -100
Gynecologic Disease	2	0	0 -100	0	-	-
Low-Risk Heart Disease	8	13	0 - 98	13	0	0 - 60
Musculoskeletal/Skin Conditions	2	0	0 -100	5	0	0 -100
Neuropsychiatric/Sensory Disease	1	0	0 -100	2	0	0 -100
Urologic Disease	3	0	0 -100	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	85
Occupancy Rate (%):	82
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	16
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	19
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	Yes

SIOUX VALLEY HOSP

1324 FIFTH NORTH STREET
NEW ULM, MN 56073

Medicare Hospital Provider Number: 240083

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	505	14	9 - 16	477	14	10 - 17
Cancer	9	89	20 - 68	15	67	25 - 71
Cerebrovascular Accidents	27	30	13 - 48	21	33	12 - 52
Gastrointestinal Catastrophes	3	0	2 - 80	3	67	3 - 86
Infectious Disease	9	44	9 - 68	7	43	9 - 73
Metabolic/Electrolyte Disorders	17	24	12 - 56	11	9	5 - 51
Pulmonary Disease	35	23	12 - 42	25	16	13 - 44
Renal Failure	0	-	-	3	67	10 - 92
Severe Acute Heart Disease	24	42	19 - 58	26	50	22 - 60
Severe Chronic Heart Disease	33	36	10 - 43	33	21	11 - 40
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	47	2	0 - 23	39	3	0 - 42
Gynecologic Disease	5	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	52	4	1 - 18	34	0	0 - 20
Musculoskeletal/Skin Conditions	52	4	0 - 28	55	0	0 - 13
Neuropsychiatric/Sensory Disease	21	5	0 - 92	22	5	0 - 94
Urologic Disease	22	0	0 - 98	21	0	0 - 56

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	85
Occupancy Rate (%):	29
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	19
Percent of Physicians Who Are Board Certified Specialists:	95
Interns and Residents:	0
Registered Nurses:	45
Licensed Practical Nurses:	19

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SIOUX VALLEY HOSPITAL
A HEALTH CENTRAL DIVISION

1324 Fifth Street North
P.O. Box 577
New Ulm, Minnesota 56073
507-354-2111

Medicare Provider #24-0083

October 20, 1988

Sandra Kappert
Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

After reviewing the Medicare Hospital Mortality Information Sioux Valley Hospital offers the following comments:

- Under the diagnostic category "Cancer" our records reveal a total of 47 cases rather than nine (9) as listed on the report.
- Under Hospital Characteristics, Sioux Valley Hospital has 85 licensed beds with an occupancy rate of 45%. The percent of board certified specialists is 99%. We do have a Coronary Care Unit under specialty services.

Sincerely,

Dianne Eibner

Dianne Eibner
Director of Patient Care

DE:cs

Enclosure: Listing of Cancer Cases according to SVH records

SLEEPY EYE MUNICIPAL HOSP

400 4TH AVE NW
SLEEPY EYE, MN 56085

Medicare Hospital Provider Number: 240130

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	226	14	11 - 21	260	12	11 - 20
Cancer	3	67	13 - 94	3	67	5 - 86
Cerebrovascular Accidents	7	71	8 - 70	10	40	8 - 64
Gastrointestinal Catastrophes	1	100	3 - 98	1	0	1 - 97
Infectious Disease	2	100	8 - 92	1	0	0 - 98
Metabolic/Electrolyte Disorders	20	0	10 - 36	22	18	10 - 47
Pulmonary Disease	18	33	14 - 57	23	22	14 - 50
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	14	43	22 - 71	13	46	21 - 72
Severe Chronic Heart Disease	14	0	14 - 40	15	0	17 - 41
Severe Trauma	1	0	0 - 99	0	-	-
Gastrointestinal Disease	20	5	0 - 54	16	0	0 - 79
Gynecologic Disease	2	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	33	6	1 - 27	39	3	1 - 19
Musculoskeletal/Skin Conditions	17	12	0 - 99	26	0	0 - 27
Neuropsychiatric/Sensory Disease	3	0	0 -100	3	0	0 -100
Urologic Disease	9	0	0 -100	10	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	25
Occupancy Rate (%):	32
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	24
Percent of Physicians Who Are Board Certified Specialists:	96
Interns and Residents:	0
Registered Nurses:	9
Licensed Practical Nurses:	11

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SPRINGFIELD COMM HOSP

625 N JACKSON ST
SPRINGFIELD, MN 56087

Medicare Hospital Provider Number: 240179

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	175	11	11 - 22	184	18	11 - 23
Cancer	7	71	16 - 77	5	100	22 - 78
Cerebrovascular Accidents	8	25	7 - 65	11	27	11 - 62
Gastrointestinal Catastrophes	2	50	6 - 94	2	0	6 - 90
Infectious Disease	3	33	2 - 86	4	75	13 - 86
Metabolic/Electrolyte Disorders	8	13	17 - 70	3	0	1 - 85
Pulmonary Disease	12	42	11 - 63	10	10	7 - 53
Renal Failure	0	-	-	2	100	6 - 91
Severe Acute Heart Disease	7	14	15 - 71	12	75	23 - 71
Severe Chronic Heart Disease	10	10	11 - 55	12	17	9 - 54
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	21	5	0 - 44	16	0	0 - 69
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	24	0	0 - 31	26	0	0 - 23
Musculoskeletal/Skin Conditions	14	0	0 - 66	13	8	0 -100
Neuropsychiatric/Sensory Disease	5	0	0 - 95	5	0	0 -100
Urologic Disease	4	0	0 -100	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	24
Occupancy Rate (%):	25
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	3
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	6
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST ANSGAR HOSP

715 N 11TH ST
MOORHEAD, MN 56560

Medicare Hospital Provider Number: 240026

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	603	8	10 - 15	745	9	10 - 15
Cancer	13	31	18 - 67	20	45	23 - 66
Cerebrovascular Accidents	27	7	16 - 40	31	23	16 - 47
Gastrointestinal Catastrophes	5	20	5 - 74	7	29	10 - 73
Infectious Disease	19	37	20 - 63	12	33	13 - 65
Metabolic/Electrolyte Disorders	9	0	4 - 47	25	8	9 - 39
Pulmonary Disease	33	18	14 - 43	55	20	18 - 42
Renal Failure	5	20	8 - 80	3	67	8 - 90
Severe Acute Heart Disease	25	20	24 - 57	33	24	25 - 56
Severe Chronic Heart Disease	32	22	13 - 42	23	4	12 - 36
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	46	2	1 - 15	56	4	1 - 16
Gynecologic Disease	1	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	51	6	1 - 23	71	3	1 - 12
Musculoskeletal/Skin Conditions	60	0	0 - 10	86	0	0 - 7
Neuropsychiatric/Sensory Disease	22	0	0 - 40	30	3	0 - 54
Urologic Disease	34	0	0 - 24	30	0	0 - 51

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	90
Occupancy Rate (%):	53
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	53
Percent of Physicians Who Are Board Certified Specialists:	68
Interns and Residents:	0
Registered Nurses:	73
Licensed Practical Nurses:	17

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST CLOUD HOSP

1406 6TH AVE NORTH
SAINT CLOUD, MN 56301

Medicare Hospital Provider Number: 240036

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,001	9	10 - 15	2,330	11	11 - 15
Cancer	61	31	30 - 56	92	30	27 - 51
Cerebrovascular Accidents	79	25	19 - 40	83	17	19 - 38
Gastrointestinal Catastrophes	22	32	17 - 58	20	25	17 - 58
Infectious Disease	24	21	20 - 55	25	16	22 - 56
Metabolic/Electrolyte Disorders	59	10	11 - 35	71	14	15 - 39
Pulmonary Disease	118	28	17 - 36	119	25	19 - 38
Renal Failure	11	18	9 - 67	14	14	22 - 76
Severe Acute Heart Disease	68	28	29 - 52	110	41	30 - 50
Severe Chronic Heart Disease	92	16	18 - 35	87	28	16 - 36
Severe Trauma	5	20	8 - 76	10	30	9 - 65
Gastrointestinal Disease	137	1	1 - 7	148	3	1 - 8
Gynecologic Disease	33	0	0 -100	28	0	0 -100
Low-Risk Heart Disease	243	2	2 - 7	247	4	2 - 8
Musculoskeletal/Skin Conditions	214	2	1 - 7	245	3	1 - 7
Neuropsychiatric/Sensory Disease	58	0	0 - 12	76	3	0 - 14
Urologic Disease	114	3	0 - 13	123	0	0 - 6

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 338
Occupancy Rate (%): 65
Ownership/Control: Church

STAFFING

Total Number of Physicians: 161
Percent of Physicians Who Are Board Certified Specialists: 73
Interns and Residents: 0
Registered Nurses: 294
Licensed Practical Nurses: 71

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

THE
SAINT CLOUD
HOSPITAL

A REGIONAL MEDICAL CENTER

1406 SIXTH AVENUE NORTH
ST. CLOUD, MINNESOTA 56303
(612) 251-2700

October 24, 1988

Mrs. Sandra Kappert
Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

RE: Medicare Provider #240036

Dear Mrs. Kappert:

This letter is to point out an error on the Medicare Hospital Mortality Information in the area of hospital characteristics.

Saint Cloud Hospital was (and currently is) licensed for 489 beds and operates 360. Average daily census last year was 227 for a 63% occupancy rate on 360 beds in operation. The bed number you have listed is 144.

Under specialty services please note that we do not have an organ transplant service and we do have a hospice program. Both of these items are erroneous on the report.

Please correct these items on your final report.

Sincerely,

John R. Frobenius

John R. Frobenius
President

MB/jk

ST ELIZABETH HOSPITAL

1200 5TH GRANT BLVD WEST
WABASHA, MN 55981

Medicare Hospital Provider Number: 240008

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	285	12	8 - 16	264	16	8 - 18
Cancer	2	50	2 - 92	0	-	-
Cerebrovascular Accidents	13	38	12 - 62	17	24	11 - 52
Gastrointestinal Catastrophes	2	100	10 - 94	3	33	5 - 86
Infectious Disease	2	0	2 - 88	4	75	11 - 84
Metabolic/Electrolyte Disorders	9	44	8 - 68	5	0	1 - 71
Pulmonary Disease	11	18	7 - 56	19	21	11 - 50
Renal Failure	2	100	11 - 97	0	-	-
Severe Acute Heart Disease	12	33	15 - 65	13	46	16 - 67
Severe Chronic Heart Disease	20	5	12 - 38	12	50	6 - 60
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	26	4	0 - 44	24	8	0 - 92
Gynecologic Disease	5	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	49	6	0 - 27	27	0	0 - 24
Musculoskeletal/Skin Conditions	19	0	0 - 49	25	4	0 - 80
Neuropsychiatric/Sensory Disease	11	0	0 - 97	11	0	0 - 99
Urologic Disease	13	0	0 - 93	9	11	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 93
Occupancy Rate (%): 63
Ownership/Control: Church

STAFFING

Total Number of Physicians: 25
Percent of Physicians Who Are Board Certified Specialists: (not available)
Interns and Residents: 0
Registered Nurses: 13
Licensed Practical Nurses: 10

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

ST FRANCIS HOSPITAL

325 WEST 5TH AVE
SHAKOPEE, MN 55379

Medicare Hospital Provider Number: 240104

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	240	14	9 - 19	350	13	9 - 17
Cancer	5	40	12 - 82	10	40	12 - 69
Cerebrovascular Accidents	12	42	7 - 60	12	50	9 - 62
Gastrointestinal Catastrophes	5	20	6 - 75	2	50	3 - 92
Infectious Disease	3	33	4 - 86	1	0	1 - 97
Metabolic/Electrolyte Disorders	11	0	5 - 42	16	38	8 - 56
Pulmonary Disease	18	22	10 - 50	17	35	9 - 54
Renal Failure	3	33	12 - 94	1	0	1 - 97
Severe Acute Heart Disease	13	23	16 - 62	16	19	20 - 60
Severe Chronic Heart Disease	17	24	4 - 48	22	23	9 - 46
Severe Trauma	1	0	0 - 98	1	100	1 - 97
Gastrointestinal Disease	11	0	0 -100	28	0	0 - 28
Gynecologic Disease	2	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	18	0	0 - 51	36	3	0 - 29
Musculoskeletal/Skin Conditions	22	0	0 - 41	30	10	0 - 72
Neuropsychiatric/Sensory Disease	8	13	0 - 99	17	0	0 -100
Urologic Disease	8	0	0 -100	12	0	0 - 98

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	69
Occupancy Rate (%):	41
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	51
Percent of Physicians Who Are Board Certified Specialists:	82
Interns and Residents:	8
Registered Nurses:	77
Licensed Practical Nurses:	10

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	Yes

ST FRANCS HOSPITAL

415 OAK STREET
BRECKENRIDGE, MN 56520

Medicare Hospital Provider Number: 240029

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	578	12	10 - 17	559	12	10 - 17
Cancer	15	27	20 - 65	12	42	17 - 69
Cerebrovascular Accidents	19	32	12 - 54	25	32	15 - 51
Gastrointestinal Catastrophes	3	67	6 - 87	4	25	9 - 83
Infectious Disease	4	25	18 - 91	3	33	13 - 94
Metabolic/Electrolyte Disorders	27	19	9 - 44	35	17	6 - 38
Pulmonary Disease	40	20	18 - 45	46	24	11 - 39
Renal Failure	2	100	7 - 92	2	0	5 - 90
Severe Acute Heart Disease	24	46	20 - 59	27	44	24 - 61
Severe Chronic Heart Disease	34	21	12 - 41	34	21	13 - 42
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	88	3	1 - 12	75	3	1 - 12
Gynecologic Disease	7	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	59	2	1 - 12	55	4	1 - 18
Musculoskeletal/Skin Conditions	47	2	0 - 18	39	3	0 - 26
Neuropsychiatric/Sensory Disease	7	0	0 -100	12	0	0 - 99
Urologic Disease	28	0	0 - 34	16	0	0 - 52

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	60
Occupancy Rate (%):	53
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST GABRIELS HOSPITAL

8TH AVE AND 2ND ST SE
LITTLE FALLS, MN 56345

Medicare Hospital Provider Number: 240013

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	436	20	11 - 19	619	10	10 - 16
Cancer	13	62	12 - 63	11	45	15 - 69
Cerebrovascular Accidents	27	52	11 - 49	26	23	12 - 45
Gastrointestinal Catastrophes	4	50	5 - 82	3	67	1 - 88
Infectious Disease	4	0	6 - 71	10	10	8 - 55
Metabolic/Electrolyte Disorders	16	31	4 - 54	25	12	7 - 40
Pulmonary Disease	54	35	14 - 41	78	19	16 - 37
Renal Failure	5	100	18 - 80	5	100	21 - 84
Severe Acute Heart Disease	39	44	27 - 58	29	34	23 - 57
Severe Chronic Heart Disease	14	29	5 - 54	22	18	11 - 45
Severe Trauma	1	0	0 - 99	1	0	2 - 97
Gastrointestinal Disease	30	7	0 - 54	35	0	0 - 19
Gynecologic Disease	2	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	54	7	0 - 27	76	3	0 - 13
Musculoskeletal/Skin Conditions	44	2	0 - 25	56	5	0 - 40
Neuropsychiatric/Sensory Disease	6	0	0 - 83	14	0	0 - 99
Urologic Disease	19	0	0 -100	27	0	0 - 95

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	255
Occupancy Rate (%):	72
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	19
Percent of Physicians Who Are Board Certified Specialists:	95
Interns and Residents:	0
Registered Nurses:	46
Licensed Practical Nurses:	19

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST JOHN'S NORTHEAST COMMUNITY HOSP

1575 BEAM AVENUE
MAPLEWOOD, MN 55109

Medicare Hospital Provider Number: 240210

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	828	13	10 - 15	600	10	9 - 16
Cancer	31	42	23 - 59	18	33	18 - 62
Cerebrovascular Accidents	39	23	15 - 43	24	21	12 - 46
Gastrointestinal Catastrophes	7	43	7 - 72	2	0	1 - 90
Infectious Disease	15	20	14 - 58	7	29	7 - 70
Metabolic/Electrolyte Disorders	6	0	2 - 61	8	13	7 - 61
Pulmonary Disease	53	26	13 - 39	39	28	16 - 46
Renal Failure	4	75	11 - 87	3	100	11 - 86
Severe Acute Heart Disease	33	52	22 - 56	28	32	23 - 58
Severe Chronic Heart Disease	69	25	14 - 35	45	13	14 - 36
Severe Trauma	0	-	-	2	0	1 - 90
Gastrointestinal Disease	44	0	0 - 14	49	2	0 - 18
Gynecologic Disease	17	0	0 -100	11	0	0 -100
Low-Risk Heart Disease	88	5	1 - 13	58	2	1 - 13
Musculoskeletal/Skin Conditions	90	3	0 - 16	64	0	0 - 15
Neuropsychiatric/Sensory Disease	15	0	0 - 60	17	0	0 - 89
Urologic Disease	46	0	0 - 20	17	12	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1985

Total Beds (#):	130
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	2
Registered Nurses:	74
Licensed Practical Nurses:	20

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

ST JOHNS HOSPITAL

PO BOX 81
BROWERVILLE, MN 56438

Medicare Hospital Provider Number: 240033

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	47	15	7 - 29	74	19	9 - 28
Cancer	0	-	-	1	100	0 - 97
Cerebrovascular Accidents	2	100	1 - 90	4	75	6 - 80
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	1	100	0 - 98	1	0	1 - 97
Metabolic/Electrolyte Disorders	6	0	11 - 63	5	0	6 - 64
Pulmonary Disease	6	17	3 - 69	8	25	6 - 65
Renal Failure	0	-	-	1	0	3 - 99
Severe Acute Heart Disease	2	50	4 - 92	6	83	15 - 75
Severe Chronic Heart Disease	5	0	4 - 63	8	25	9 - 66
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	6	0	0 -100	8	0	0 -100
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	3	0	0 -100	9	0	0 - 86
Musculoskeletal/Skin Conditions	3	0	0 -100	6	0	0 -100
Neuropsychiatric/Sensory Disease	2	0	0 -100	2	0	0 -100
Urologic Disease	1	0	0 -100	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1984

Total Beds (#):	32
Ownership/Control:	Church

STAFFING

Interns and Residents:	0
Registered Nurses:	5
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST JOHNS HOSPITAL

403 MARIA ST
SAINT PAUL, MN 55106

Medicare Hospital Provider Number: 240131

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	707	14	11 - 17	1,106	12	10 - 16
Cancer	25	48	23 - 63	54	35	28 - 57
Cerebrovascular Accidents	48	35	15 - 43	54	31	17 - 43
Gastrointestinal Catastrophes	10	40	12 - 69	8	38	10 - 71
Infectious Disease	11	18	14 - 62	12	17	17 - 63
Metabolic/Electrolyte Disorders	7	29	5 - 69	24	25	7 - 47
Pulmonary Disease	35	34	15 - 48	61	16	16 - 38
Renal Failure	3	67	6 - 89	3	67	3 - 87
Severe Acute Heart Disease	31	39	23 - 58	52	37	26 - 53
Severe Chronic Heart Disease	33	27	12 - 43	51	31	12 - 38
Severe Trauma	2	50	2 - 92	2	0	1 - 90
Gastrointestinal Disease	36	0	0 - 18	89	3	1 - 12
Gynecologic Disease	5	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	58	5	1 - 19	102	2	1 - 9
Musculoskeletal/Skin Conditions	75	5	1 - 17	109	2	1 - 9
Neuropsychiatric/Sensory Disease	37	0	0 - 26	58	5	0 - 35
Urologic Disease	40	0	0 - 41	45	0	0 - 19

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1984

Total Beds (#):	354
Ownership/Control:	Church

STAFFING

Interns and Residents:	10
Registered Nurses:	173
Licensed Practical Nurses:	45

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

ST JOHNS REGIONAL HEALTH CENTER

1407 WEST FOURTH STREET
RED WING, MN 55066

Medicare Hospital Provider Number: 240018

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	609	13	8 - 15	671	11	9 - 15
Cancer	14	57	17 - 66	16	50	18 - 65
Cerebrovascular Accidents	32	31	14 - 46	36	17	17 - 43
Gastrointestinal Catastrophes	4	100	9 - 73	2	0	0 - 93
Infectious Disease	1	0	2 - 97	4	0	13 - 77
Metabolic/Electrolyte Disorders	7	29	7 - 70	12	50	3 - 62
Pulmonary Disease	41	34	13 - 43	39	28	14 - 44
Renal Failure	0	-	-	2	100	2 - 89
Severe Acute Heart Disease	25	32	22 - 59	34	38	26 - 59
Severe Chronic Heart Disease	27	30	7 - 43	32	28	11 - 43
Severe Trauma	3	33	5 - 87	1	0	1 - 97
Gastrointestinal Disease	55	2	0 - 15	61	3	1 - 16
Gynecologic Disease	9	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	70	1	1 - 10	66	2	1 - 11
Musculoskeletal/Skin Conditions	93	1	0 - 9	119	1	0 - 8
Neuropsychiatric/Sensory Disease	21	5	0 - 94	18	0	0 - 90
Urologic Disease	27	0	0 - 45	37	0	0 - 33

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	84
Occupancy Rate (%):	43
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	31
Percent of Physicians Who Are Board Certified Specialists:	94
Interns and Residents:	0
Registered Nurses:	50
Licensed Practical Nurses:	33

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST JOSEPH'S HOSPITAL

69 WEST EXCHANGE STREET
SAINT PAUL, MN 55102

Medicare Hospital Provider Number: 240063

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,197	14	10 - 15	1,399	15	11 - 16
Cancer	73	62	32 - 57	100	69	35 - 58
Cerebrovascular Accidents	25	40	12 - 50	43	28	15 - 42
Gastrointestinal Catastrophes	8	63	12 - 73	14	29	12 - 60
Infectious Disease	10	0	19 - 55	11	18	11 - 60
Metabolic/Electrolyte Disorders	29	21	8 - 43	39	10	9 - 36
Pulmonary Disease	43	26	13 - 41	61	30	16 - 41
Renal Failure	5	40	8 - 82	5	60	11 - 86
Severe Acute Heart Disease	42	48	24 - 55	39	31	27 - 57
Severe Chronic Heart Disease	47	17	14 - 37	62	24	14 - 36
Severe Trauma	2	0	2 - 88	3	0	3 - 79
Gastrointestinal Disease	79	1	1 - 10	87	3	1 - 13
Gynecologic Disease	9	0	0 -100	12	0	0 -100
Low-Risk Heart Disease	133	2	1 - 8	139	5	1 - 10
Musculoskeletal/Skin Conditions	174	3	1 - 8	186	3	1 - 8
Neuropsychiatric/Sensory Disease	35	0	1 - 16	45	4	0 - 27
Urologic Disease	45	2	0 - 66	56	4	0 - 28

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	224
Occupancy Rate (%):	66
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	489
Percent of Physicians Who Are Board Certified Specialists:	84
Interns and Residents:	9
Registered Nurses:	255
Licensed Practical Nurses:	51

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	Yes

HealthEast

69 West Exchange Street
St. Paul, MN 55102
612-291-3000

ST. JOSEPH'S HOSPITAL **PROVIDER NUMBER: 24-00-63**

The HCFA mortality data for St. Joseph's Hospital shows 73 cases with a cancer diagnosis and a mortality rate of 62% which represents 45 deaths. The predicted range of mortality was 32-57%. A review of our records confirms the accuracy of the data. We wish to point out, however, that in the report for St. Joseph's, under "Hospital Characteristics", it is inaccurately stated that there is no hospice program. In fact, St. Joseph's has a very active inpatient/outpatient hospice program. In review of the 45 cancer deaths, we found that 41 (91%) were hospice patients. Taking this into consideration, St. Joseph's actually falls below the range of predicted mortality.

1241C

ST JOSEPHS HOSP

600 PLEASANT AVE
PARK RAPIDS, MN 56470

Medicare Hospital Provider Number: 240016

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	407	12	12 - 19	592	14	12 - 19
Cancer	7	43	8 - 72	16	50	26 - 73
Cerebrovascular Accidents	13	23	10 - 56	25	32	12 - 49
Gastrointestinal Catastrophes	2	50	6 - 94	4	25	6 - 81
Infectious Disease	13	31	19 - 68	13	23	12 - 60
Metabolic/Electrolyte Disorders	8	25	5 - 66	14	21	13 - 59
Pulmonary Disease	80	11	17 - 34	102	20	16 - 35
Renal Failure	1	100	2 - 97	2	50	7 - 96
Severe Acute Heart Disease	24	46	20 - 59	36	31	24 - 55
Severe Chronic Heart Disease	26	4	12 - 33	31	32	11 - 45
Severe Trauma	0	-	-	1	0	3 - 98
Gastrointestinal Disease	27	4	0 - 35	48	4	0 - 25
Gynecologic Disease	4	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	57	4	1 - 15	82	1	1 - 9
Musculoskeletal/Skin Conditions	20	0	0 - 53	35	3	0 - 40
Neuropsychiatric/Sensory Disease	9	0	0 - 92	17	6	0 - 57
Urologic Disease	14	7	0 -100	14	0	0 - 65

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	50
Occupancy Rate (%):	46
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	14
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	36
Licensed Practical Nurses:	10

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST JOSEPHS HOSP

523 NORTH 3RD STREET
BRAINERD, MN 56401

Medicare Hospital Provider Number: 240075

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,519	10	10 - 14	1,431	13	11 - 16
Cancer	30	47	23 - 60	38	47	30 - 63
Cerebrovascular Accidents	59	12	18 - 36	67	37	16 - 40
Gastrointestinal Catastrophes	11	27	18 - 70	15	27	11 - 58
Infectious Disease	23	26	17 - 55	28	32	20 - 57
Metabolic/Electrolyte Disorders	19	21	11 - 52	21	43	7 - 52
Pulmonary Disease	99	22	18 - 37	102	19	15 - 34
Renal Failure	5	60	12 - 86	3	67	4 - 88
Severe Acute Heart Disease	81	32	28 - 51	102	33	29 - 50
Severe Chronic Heart Disease	79	18	17 - 35	61	16	17 - 37
Severe Trauma	3	100	9 - 82	0	-	-
Gastrointestinal Disease	140	6	1 - 11	102	3	1 - 11
Gynecologic Disease	11	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	179	3	2 - 8	191	3	2 - 8
Musculoskeletal/Skin Conditions	186	2	0 - 8	157	2	0 - 8
Neuropsychiatric/Sensory Disease	62	0	1 - 9	39	5	0 - 63
Urologic Disease	62	5	0 - 24	54	2	0 - 32

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	162
Occupancy Rate (%):	48
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	49
Percent of Physicians Who Are Board Certified Specialists:	78
Interns and Residents:	0
Registered Nurses:	77
Licensed Practical Nurses:	41

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

St. Joseph's
MEDICAL CENTER

523 North 3rd St.
Brainerd, Minnesota
56401-9970

218 829-2861
FAX 218-828-3103

MEMBER BENEDICTINE HEALTH SYSTEM

October 10, 1988

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2 - D - 2
6325 Security Boulevard
Baltimore, MD 21207

RE: HCFA Mortality Report 1987, Review and Comment
Our Medicare Provider #: 240075

Dear Madam:

We appreciated the opportunity to review the 1987 statistics regarding Medicare mortality. Upon matching our statistics with yours, we were able to identify nine additional cases which did not show up on the computer report received from HCFA. An attachment is enclosed with these nine cases. Six of them are either hospice or terminal cancer patients, three of them older patients with complicated heart disease.

A study of the 126 deaths showed a wide age range from 49 to 101; however, the average age was 77.11, the majority of the deaths in our institution being in the older patients. Only two of these deaths were patients in their 50's, twenty-two occurred in patients in their 60's, fifty-three in their 70's, thirty-four in their 80's, thirteen in their 90's, and one at the age of 101.

The only category for which actual mortality was outside the expected range was for severe trauma. One of these patients was indeed a true severe trauma patient with multiple trauma. The other two were quite elderly, in their late 80's and early 90's, with intracranial bleeds from minor falls.

Some changes in St. Joseph's Medical Center since late 1986 have changed our patient mix and had an impact on our statistics. These changes include the following:

A. In September 1986, our Hospice Program became Medicare-certified and has been quite busy since then, accounting for a fair number of terminal cancer deaths.

B. In 1987, St. Joseph's Medical Center began an active oncology treatment service.

C. St. Joseph's Medical Center has the status as a regional referral center, therefore seeing more acute patients than other rural hospitals.

As a point of further information, St. Joseph's Medical Center conducts an ongoing review of all hospital deaths as part of quality management by established criteria. We believe our high risk numbers are quite acceptable and we have a very small amount of deaths in the low risk group. We continue to be active in quality assurance and management in both of these areas.

We appreciate the opportunity to review and comment on these statistics before publication.

Sincerely,

N. P. Bernier, M.D.
Vice President, Medical Affairs

NPB:ddb

Attachment

cc: Sr. Vivian Arts
Jim Koerper
J. A. Furda, M.D., Chairman, Medical Audit Committee
Professional Staff Committee

ST LUKES HOSPITAL

915 E 1ST ST
DULUTH, MN 55805

Medicare Hospital Provider Number: 240047

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,651	13	8 - 13	1,957	13	9 - 14
Cancer	70	50	28 - 55	96	46	30 - 54
Cerebrovascular Accidents	65	23	15 - 37	113	27	19 - 37
Gastrointestinal Catastrophes	13	31	11 - 61	19	26	16 - 59
Infectious Disease	15	47	16 - 65	12	17	13 - 59
Metabolic/Electrolyte Disorders	28	21	11 - 46	21	29	8 - 50
Pulmonary Disease	68	32	17 - 42	77	31	17 - 41
Renal Failure	6	50	6 - 79	4	25	12 - 88
Severe Acute Heart Disease	45	64	26 - 55	62	39	26 - 52
Severe Chronic Heart Disease	63	32	12 - 36	73	26	12 - 34
Severe Trauma	16	31	8 - 56	16	19	9 - 54
Gastrointestinal Disease	120	2	1 - 9	112	4	1 - 11
Gynecologic Disease	13	0	0 -100	14	0	0 -100
Low-Risk Heart Disease	117	4	1 - 11	142	4	1 - 9
Musculoskeletal/Skin Conditions	247	0	1 - 4	257	3	1 - 7
Neuropsychiatric/Sensory Disease	153	1	0 - 8	176	2	0 - 8
Urologic Disease	87	0	0 - 9	96	1	0 - 15

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	236
Occupancy Rate (%):	57
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	204
Percent of Physicians Who Are Board Certified Specialists:	86
Interns and Residents:	0
Registered Nurses:	190
Licensed Practical Nurses:	49

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	Yes

St. Luke's
HOSPITAL OF DULUTH

October 21, 1988

William Roper, MD, Administrator
Health Care Financing Administration
P.O. Box 26684
Baltimore, MD 21207

Provider #24-00-47

Dear Dr. Roper:

BOARD OF DIRECTORS
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MARY RYLAND
STUART SEILER
JOHN SANFORD, M.D.
VLASIE SOLON
JOHN STREITZ, M.D.

We have reviewed the mortality data for Medicare patients treated at St. Luke's Hospital during 1987 and are pleased with the favorable results. Although we feel that your data, by itself, should not be used by consumers to make healthcare quality judgments, your data, together with the very positive review we recently received from JCAHO, our ongoing patient satisfaction surveys, and other internal quality assurance mechanisms, indicate a high quality of health care delivery at St. Luke's.

We are especially pleased that St. Luke's Medicare mortality rates do fall within the range of predicted mortality rates, inspite of several factors which tend to misleadingly skew mortality rates upward:

(1) The mortality rates only include Medicare patients, who being older, tend to have higher mortality rates than non-Medicare patients. Mortality rates for all patients are lower.

(2) We are pleased that the data this year attempted to take into account the severity of a patient's illness. As a regional referral center, St. Luke's treats many patients transferred from other hospitals in the region because of the specialized services provided at St. Luke's. Patients transferred to St. Luke's from other facilities are generally sicker than patients treated at smaller, rural facilities.

(3) As the federally designated EMS Regional Trauma Center and the Neurosurgery Center, St. Luke's treats the most severely injured trauma patients in the western Lake Superior region. Most of these patients have multiple injuries, for example, abdominal as well as head injuries. This puts these patients at greater mortality risk than the statistically average patient.

(4) Hospice Duluth, offered at St. Luke's Hospital, provides care and support to the terminally ill. Death is the expected outcome for each of these patients. Hospice patients comprise the majority of deaths in the cancer category of our mortality data, and are also included in the heart disease and cerebrovascular accidents categories.

(5) Twenty-seven percent of cases included in St. Luke's mortality study died somewhere else after leaving the hospital. The patient's death outside the hospital was often unrelated to the patient's hospital care or even unrelated to the illness they were treated for. Many factors may contribute to death following discharge: social factors, lack of patient compliance to prescribed medical care, lack of interest in personal health, accidents, etc. It may be misleading to the public to attribute a patient's death to a hospital solely because the patient died within 30 days of leaving the hospital. It does not measure quality of care provided by the hospital or by the physician.

(6) We noted that St. Luke's mortality rate for severe acute cardiac patients increased from 39% in 1986 to 64% in 1987. Our analysis indicates that the increase is due to a trend of rising acuity among patients. Since cardiac surgery is not performed at St. Luke's, younger or healthier patients who are candidates for surgery are transferred to a regional heart center. This trend was observed last year and has increased during 1987. For example, 21 of the 29 cardiac patients that died in 1987 were classifed "Do Not Resuscitate" (DNR). Their average age was 79 years and the acuity level of these DNR patients was quite high. Twenty-one percent of these patients died in our Hospice unit. DNR patients, their physicians and families have accepted the terminal nature of these patients' condition and wish to avoid further definitive treatment such as surgery or resuscitation. St. Luke's Coronary Care Committee reviewed all cases included in this category. The Committee concluded that nothing could have or should have been done differently in caring for these patients and that quality of care standards were met for each patient.

We are pleased that St. Luke's Medicare mortality rates fall within normal ranges. The information you have provided us is a useful internal tool. However, until we are better able to measure and adjust for severity of patient illness, the study will have limited value to consumers making decisions about health care quality.

Sincerely,

Phillip A. Alioto, Executive Vice President
Chief Operating and Financial Officer

PA/pd

ST MARY S HOSPITAL

407 E 3RD ST
DULUTH, MN 55805

Medicare Hospital Provider Number: 240002

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,482	11	10 - 14	2,621	12	11 - 16
Cancer	145	34	29 - 49	152	42	32 - 53
Cerebrovascular Accidents	82	32	16 - 37	99	21	18 - 36
Gastrointestinal Catastrophes	30	33	18 - 55	29	41	22 - 61
Infectious Disease	27	30	20 - 57	29	17	21 - 54
Metabolic/Electrolyte Disorders	39	10	9 - 37	42	14	14 - 42
Pulmonary Disease	82	26	16 - 37	85	26	17 - 39
Renal Failure	8	38	10 - 77	6	33	9 - 80
Severe Acute Heart Disease	116	34	28 - 47	150	33	30 - 48
Severe Chronic Heart Disease	88	15	14 - 31	110	23	16 - 33
Severe Trauma	0	-	-	5	40	6 - 78
Gastrointestinal Disease	151	6	1 - 11	137	4	1 - 10
Gynecologic Disease	47	0	0 -100	37	0	0 - 79
Low-Risk Heart Disease	333	4	2 - 7	320	5	2 - 8
Musculoskeletal/Skin Conditions	300	1	1 - 5	299	1	1 - 5
Neuropsychiatric/Sensory Disease	61	10	0 - 34	81	2	1 - 12
Urologic Disease	83	2	0 - 29	90	0	1 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	269
Occupancy Rate (%):	72
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	217
Percent of Physicians Who Are Board Certified Specialists:	77
Interns and Residents:	0
Registered Nurses:	288
Licensed Practical Nurses:	116

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

ST MARY'S
MEDICAL CENTER

407 East Third Street
Duluth, Minnesota 55805
(218) 726-4000
(TDD/TTY) 726-4333

October 19, 1988

Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, Maryland 21207

Gentleman:

The following commentary relates to the 1988 Hospital Mortality Data Release for this facility. Data verification produced only one significant error which we feel should be corrected:

1) One patient could not be located in our Master Patient Index and should be deleted from the statistics.

A detailed report regarding this case is attached.

The Hospital Characteristics for 1986 should be corrected as follows: (* = Correction)

Beds (#)	*303
Occupancy Rate (%)	*67.4
Ownership	Church

Staffing:

Total Number of Physicians	214
Percent of Physicians who are Board Certified Specialists	56
Registered Nurses per Bed	1.13
Licensed Practical Nurses per Bed	0.62

Specialty Services:

Shock/Trauma or Burn Unit	Yes
Coronary Care Unit	Yes
Cardiac Surgery Service	Yes
Organ Transplant Service	No
Hospice	No

In addition, the 1987 Hospital Characteristics should be as follows:

Beds (#)	269
Occupancy Rate (%)	78.2
Ownership	Church

Staffing:

Total Number of Physicians	217
Percent of Physicians who are Board Certified Specialists	66%
Registered Nurses per Bed	1.72
Licensed Practical Nurses per Bed	.65

Specialty Services:

Shock/Trauma or Burn Unit	Yes
Coronary Care Unit	Yes
Cardiac Surgery Service	Yes
Organ Transplant Service	No
Hospice	No

After comparison of our actual mortality rates to the predicted ranges per category, it is the feeling of our Administrative and Medical Staff leaders, that St. Mary's Medical Center is again displayed in a favorable light. As a regional Heart Center, we believe that the mortality rate comparisons for low-risk heart disease, severe acute heart disease and severe chronic heart disease indicate the high quality of services provided to Cardiovascular patients in this facility. St. Mary's also provides care to a high volume of patients in the complex specialties of Oncology, Pulmonary Disease, Gastrointestinal Disease and Orthopedics; here again the mortality rates for these services depict favorable outcomes for the majority of the patients receiving these services.

I am pleased to submit the attached correction along with the preceding comments for inclusion in the December 1988 publication of our Hospital Mortality Rates.

Sincerely,

Sister Kathleen Hofer

Sister Kathleen Hofer
President

Attachments: 1

cc: J. A. Cherveny
Pat Hall

ST MARYS HOSP

2414 S 7TH ST
MINNEAPOLIS, MN 55454

Medicare Hospital Provider Number: 240081

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	978	10	9 - 14	1,308	12	10 - 15
Cancer	39	26	24 - 54	50	28	26 - 54
Cerebrovascular Accidents	37	24	15 - 43	39	31	16 - 46
Gastrointestinal Catastrophes	17	41	15 - 62	8	38	17 - 77
Infectious Disease	6	67	8 - 75	15	40	21 - 69
Metabolic/Electrolyte Disorders	21	24	11 - 51	23	26	11 - 50
Pulmonary Disease	53	17	16 - 39	59	36	16 - 43
Renal Failure	4	0	9 - 77	4	25	6 - 83
Severe Acute Heart Disease	28	46	20 - 57	39	36	26 - 56
Severe Chronic Heart Disease	47	30	12 - 39	60	32	15 - 40
Severe Trauma	3	0	7 - 80	1	0	0 - 99
Gastrointestinal Disease	66	0	1 - 8	80	2	1 - 12
Gynecologic Disease	11	0	0 -100	16	0	0 -100
Low-Risk Heart Disease	101	5	1 - 14	134	4	1 - 10
Musculoskeletal/Skin Conditions	131	2	1 - 8	175	4	1 - 9
Neuropsychiatric/Sensory Disease	50	0	0 - 20	97	2	0 - 13
Urologic Disease	36	0	0 - 23	57	0	0 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	607
Ownership/Control:	Church

STAFFING

Interns and Residents:	35
Registered Nurses:	316
Licensed Practical Nurses:	62

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	Yes

ST MARYS HOSP

1014 LINCOLN AVE
DETROIT LAKES, MN 56501

Medicare Hospital Provider Number: 240101

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	422	14	8 - 16	507	13	8 - 15
Cancer	7	43	12 - 76	3	33	6 - 87
Cerebrovascular Accidents	19	26	11 - 51	20	20	12 - 49
Gastrointestinal Catastrophes	2	0	2 - 88	5	20	9 - 76
Infectious Disease	9	56	14 - 73	3	0	4 - 79
Metabolic/Electrolyte Disorders	8	13	4 - 60	17	24	6 - 51
Pulmonary Disease	39	23	10 - 39	53	25	14 - 39
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	15	40	19 - 66	19	37	21 - 63
Severe Chronic Heart Disease	18	11	7 - 41	20	25	8 - 47
Severe Trauma	0	-	-	1	0	1 - 97
Gastrointestinal Disease	45	7	0 - 41	38	3	0 - 35
Gynecologic Disease	4	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	47	4	1 - 21	68	3	1 - 13
Musculoskeletal/Skin Conditions	40	5	0 - 36	67	3	0 - 25
Neuropsychiatric/Sensory Disease	13	0	0 - 94	16	0	0 - 99
Urologic Disease	7	29	0 - 95	8	13	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	168
Occupancy Rate (%):	73
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	22
Percent of Physicians Who Are Board Certified Specialists:	91
Interns and Residents:	0
Registered Nurses:	37
Licensed Practical Nurses:	23

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

St. Mary's
Hospital & Nursing Home

October 10, 1988

William L. Roper, M.D.
Health Care Financing Administration
The Administrator
Washington, DC 20201

Dear Dr. Roper:

After reviewing your letter and accompanying Medicare Hospital Mortality Information I am concerned that the hospital characteristics obtained from the American Hospital Association's 1986 Annual Survey appear to be incorrect. In a telephone conversation on September 21st, I discussed these concerns with Bill Block, our Regional Representative, and learned that other hospitals have called to voice similar findings. Please note that in 1986 our bed size at St. Mary's was 86, not 33 beds as listed. Also, in 1986, we had 24 physicians, 21 of which were Board Certified specialists (87%). According to the A.H.A. data only 23% were specialty Board Certified. If the incorrect data is published in December this may give the public an unfavorable impression of St. Mary's Hospital. I would appreciate receiving a written amendment of this information to review, including the 1987 A.H.A. data if possible, prior to the December publishing date.

Thank you.

Sincerely,

Nancy G. Henke

Nancy G. Henke
DRG Coordinator
St. Mary's Hospital

NGH:ko

ST MARYS HOSPITAL

1216 2ND ST SW
ROCHESTER, MN 55902

Medicare Hospital Provider Number: 240010

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	7,664	5	7 - 11	7,235	5	7 - 11
Cancer	334	12	28 - 44	287	13	27 - 44
Cerebrovascular Accidents	241	17	20 - 32	243	22	20 - 33
Gastrointestinal Catastrophes	39	26	21 - 53	31	10	22 - 51
Infectious Disease	29	31	17 - 54	26	23	22 - 58
Metabolic/Electrolyte Disorders	29	10	13 - 43	23	9	13 - 44
Pulmonary Disease	108	16	19 - 36	111	22	16 - 35
Renal Failure	2	100	4 - 89	9	22	7 - 70
Severe Acute Heart Disease	187	28	28 - 44	207	31	32 - 47
Severe Chronic Heart Disease	167	17	17 - 30	145	14	18 - 32
Severe Trauma	27	15	12 - 46	32	22	13 - 49
Gastrointestinal Disease	425	2	1 - 5	352	0	2 - 5
Gynecologic Disease	142	0	0 - 50	105	1	0 - 98
Low-Risk Heart Disease	1,223	4	3 - 5	1,161	3	2 - 5
Musculoskeletal/Skin Conditions	1,197	1	1 - 4	1,099	1	1 - 4
Neuropsychiatric/Sensory Disease	302	1	1 - 5	312	1	1 - 5
Urologic Disease	322	1	0 - 6	332	0	0 - 5

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	1,018
Occupancy Rate (%):	76
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	856
Percent of Physicians Who Are Board Certified Specialists:	81
Interns and Residents:	0
Registered Nurses:	791
Licensed Practical Nurses:	320

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

Saint Marys
Hospital

October 21, 1988

William L. Roper, M.D.
Administrator
Health Care Financing Administration
Attention: Mrs. Sandra Kappert
Health Standard and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Doctor Roper: Re: Medicare Provider #24-0010

The following are our comments regarding HCFA's release of hospital-specific mortality data.

While we welcome HCFA's efforts to assess institutional quality of care, this particular mortality-based method requires further validation before it can be considered useful. The potential for misunderstanding this information, both by consumers and professionals, is great, and we caution anyone against using the data as an index of quality.

We do support the concept of developing objective measures of assessing quality care. In fact, we are evaluating several methods in our hospital but believe that reliable measures are still years away. We welcome the opportunity to contribute to progress toward this goal.

Under separate cover, we are forwarding corrected hospital characteristics.

Sincerely,

David A. Leonard
Administrator

DAL/jm

ST MARYS HOSPITAL

551 4TH ST NORTH
WINSTED, MN 55395

Medicare Hospital Provider Number: 240074

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	69	16	6 - 25	127	23	9 - 25
Cancer	2	50	1 - 93	6	50	8 - 76
Cerebrovascular Accidents	1	0	0 - 98	5	40	5 - 77
Gastrointestinal Catastrophes	0	-	-	1	0	2 - 97
Infectious Disease	3	67	3 - 86	2	50	4 - 93
Metabolic/Electrolyte Disorders	0	-	-	6	0	4 - 58
Pulmonary Disease	9	22	7 - 62	20	35	10 - 52
Renal Failure	0	-	-	1	100	3 - 99
Severe Acute Heart Disease	3	33	11 - 91	3	0	11 - 83
Severe Chronic Heart Disease	3	0	1 - 85	8	63	6 - 67
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	9	0	0 - 65	9	11	0 - 99
Gynecologic Disease	1	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	3	0	0 -100	9	0	0 - 84
Musculoskeletal/Skin Conditions	6	0	0 -100	6	17	0 -100
Neuropsychiatric/Sensory Disease	5	20	0 -100	2	0	0 -100
Urologic Disease	3	0	0 -100	5	40	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	120
Occupancy Rate (%):	73
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST MARY'S
HOSPITAL & HOME
Health One

551 Fourth Street North
P.O. Box 750
Winsted, MN 55395-0750
612 485-2151

October 19, 1988

Medicare Provider No. 240074

Health Standards & Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

I would like to take this opportunity to respond to the information to be released by HCFA on the selected mortality information in regards to St. Mary's Hospital & Home for 1987 and 1986.

First I would like to comment on some errors in the hospital characteristics section of the printout. While the number of beds is correct at 25, the occupancy rate for 1986 was 19.5%, not the 82% listed. In the areas of staffing, the total number of physicians should be 23. The calculations for registered nurses per bed and licensed practical nurses per bed are inaccurate and are not really an informative calculation as most hospitals, including St. Mary's, do not staff with nurses based upon the number of beds but rather based upon the number of patients and their specific needs.

We have reviewed the individual cases for 1987. Of the 28 deaths that occurred, 4 occurred after discharge from St. Mary's to private homes, 11 occurred in nursing homes, 3 deaths occurred in the emergency room and 9 deaths occurred in the hospital and 1 occurred in the swing bed unit. Of these 28 total deaths, 14 were diagnosed by physicians as being from a terminal illness. It should also be pointed out that the average age of those who expired was 80.1 years.

For every category the actual mortality rate is well within the range for predicted mortality. In most cases, because of the small numbers of cases in each of the categories, the calculation of an average is very misleading.

At the same time, the simple measurement of mortality is not an accurate indicator of the care given to the patient because it does not reflect the stage of the course of the disease during which that patient was hospitalized, whether that person had been receiving care for a long period of time or a short period of time, and the desires of the patient in addressing chronic health problems.

As HCFA itself acknowledges, the mortality statistic is not a complete measure of the quality of care in an individual hospital. This information must be combined with other information about hospitals and physicians to be able to gauge quality health care. That is a goal we are all moving towards in our work with the Joint Commission on Accreditation of Health Care Organizations, the various local and state agencies and HCFA.

Sincerely,

Steve Bresnahan/lcb

Steven P. Bresnahan
Senior Executive Officer

ST MICHAELS HOSPITAL

425 N ELM
SAUK CENTRE, MN 56378

Medicare Hospital Provider Number: 240031

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	88	10	4 - 18	132	12	6 - 19
Cancer	2	50	0 - 95	3	100	11 - 83
Cerebrovascular Accidents	2	50	1 - 94	6	33	6 - 73
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	1	0	1 - 97
Metabolic/Electrolyte Disorders	2	0	2 - 89	8	0	3 - 51
Pulmonary Disease	6	0	3 - 58	12	8	9 - 49
Renal Failure	0	-	-	1	0	0 - 98
Severe Acute Heart Disease	3	100	12 - 84	2	50	2 - 92
Severe Chronic Heart Disease	3	33	0 - 94	8	50	7 - 69
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	9	0	0 - 96	11	0	0 - 94
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	8	0	0 - 88	13	0	0 - 74
Musculoskeletal/Skin Conditions	3	0	0 -100	5	0	0 -100
Neuropsychiatric/Sensory Disease	1	0	0 -100	4	0	0 -100
Urologic Disease	7	0	0 -100	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	106
Occupancy Rate (%):	66
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	14
Interns and Residents:	0
Registered Nurses:	13
Licensed Practical Nurses:	9

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST OLAFS HOSP

300 EIGHTH AVE NW
AUSTIN, MN 55912

Medicare Hospital Provider Number: 240117

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	865	9	9 - 14	851	12	9 - 15
Cancer	14	57	21 - 70	16	56	21 - 68
Cerebrovascular Accidents	30	37	12 - 47	25	40	12 - 50
Gastrointestinal Catastrophes	2	50	1 - 94	0	-	-
Infectious Disease	15	20	13 - 57	7	43	7 - 72
Metabolic/Electrolyte Disorders	22	18	13 - 50	37	38	14 - 49
Pulmonary Disease	60	28	16 - 41	53	15	13 - 35
Renal Failure	1	100	3 - 99	4	50	7 - 86
Severe Acute Heart Disease	34	26	24 - 54	54	31	25 - 51
Severe Chronic Heart Disease	43	9	14 - 34	42	10	13 - 33
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	72	0	1 - 8	67	3	0 - 23
Gynecologic Disease	3	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	103	0	2 - 6	94	0	2 - 6
Musculoskeletal/Skin Conditions	103	0	1 - 6	93	1	0 - 9
Neuropsychiatric/Sensory Disease	37	0	0 - 23	36	3	0 - 41
Urologic Disease	42	2	0 - 29	40	2	0 - 62

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	108
Occupancy Rate (%):	45
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	36
Percent of Physicians Who Are Board Certified Specialists:	86
Interns and Residents:	0
Registered Nurses:	64
Licensed Practical Nurses:	28

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST PAUL RAMSEY MEDICAL CENTER

640 JACKSON STREET
SAINT PAUL, MN 55101

Medicare Hospital Provider Number: 240106

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,107	12	9 - 13	2,151	12	9 - 14
Cancer	50	40	25 - 54	36	28	25 - 57
Cerebrovascular Accidents	71	31	15 - 38	77	29	17 - 38
Gastrointestinal Catastrophes	21	33	15 - 57	22	55	17 - 60
Infectious Disease	24	25	17 - 54	34	38	20 - 55
Metabolic/Electrolyte Disorders	50	22	13 - 42	49	24	10 - 40
Pulmonary Disease	129	29	18 - 37	133	26	18 - 37
Renal Failure	5	20	8 - 79	4	25	12 - 88
Severe Acute Heart Disease	93	43	27 - 49	82	56	28 - 51
Severe Chronic Heart Disease	99	20	17 - 34	87	24	16 - 35
Severe Trauma	11	55	7 - 64	15	40	8 - 59
Gastrointestinal Disease	67	6	1 - 17	77	5	1 - 15
Gynecologic Disease	11	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	206	2	2 - 7	220	6	2 - 9
Musculoskeletal/Skin Conditions	149	1	1 - 7	154	2	1 - 7
Neuropsychiatric/Sensory Disease	388	1	0 - 7	389	2	0 - 6
Urologic Disease	36	0	0 - 23	43	2	0 - 24

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	304
Occupancy Rate (%):	78
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	157
Percent of Physicians Who Are Board Certified Specialists:	94
Interns and Residents:	59
Registered Nurses:	381
Licensed Practical Nurses:	13

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	Yes
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

St. Paul·Ramsey Medical Center

Jackson at University
St. Paul, Minnesota 55101-2595
(612) 221-2191

Executive Offices

St. Paul-Ramsey Medical Center's Medicare Provider #240106

October 24, 1988

Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2 - D - 2
6325 Security Boulevare
Baltimore, Maryland 21207

St. Paul-Ramsey Medical Center's Comments on the HCFA Mortality Data

Marlene E. Marschall
President
St. Paul-Ramsey Medical Center
640 Jackson Street
St. Paul, MN 55101
Phone: (612) 221-2191

Great care must be taken when drawing conclusions based on the HCFA mortality data. There are two areas that persons using this data must be aware of. First, since the HCFA data is not adjusted for severity of illness of the patients, it is impossible to draw meaningful conclusions about the quality of care between different hospitals. Secondly, the ranges for expected mortality rate do not include adjustments for severity of illness. The predicted range may or may not be accurate for a given hospital's patient mix.

St. Paul-Ramsey Medical Center, as part of its ongoing quality assurance activities, reviews mortality data. If there is a question about the quality of the care that was provided in a particular case, it is evaluated by the appropriate medical staff and corrective action is taken.

Correction to Hospital Characteristics

Please note the following corrections to the hospital characteristics;

BEDS (#): 304
OWNERSHIP/CONTROL: Other Non-profit

STAFFING:
    TOTAL NUMBER OF PHYSICIANS: 157
    PERCENT OF PHYSICIANS WHO ARE BOARD CERTIFIED: 148
    INTERNS AND RESIDENTS PER BED: 0.19
    REGISTERED NURSES PER BED: 1.96
    LICENSED PRACTICAL NURSES PER BED: 0.05

SPECIALTY SERVICES:
    ORGAN TRANSPLANT SERVICES: No

ST. PETER COMMUNITY HOSPITAL

618 W BROADWAY
SAINT PETER, MN 56082

Medicare Hospital Provider Number: 240023

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	248	14	9 - 18	276	17	11 - 21
Cancer	6	67	13 - 79	5	60	18 - 89
Cerebrovascular Accidents	14	36	12 - 60	26	35	18 - 54
Gastrointestinal Catastrophes	0	-	-	2	50	1 - 93
Infectious Disease	4	50	5 - 82	2	0	8 - 92
Metabolic/Electrolyte Disorders	8	13	1 - 66	8	0	2 - 53
Pulmonary Disease	17	24	9 - 51	16	13	11 - 48
Renal Failure	3	0	8 - 83	1	0	3 - 99
Severe Acute Heart Disease	13	38	20 - 70	17	65	17 - 61
Severe Chronic Heart Disease	10	40	6 - 63	20	25	10 - 49
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	24	13	0 - 79	26	0	0 - 26
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	22	5	0 - 55	25	4	0 - 34
Musculoskeletal/Skin Conditions	28	0	0 - 42	19	0	0 - 57
Neuropsychiatric/Sensory Disease	10	0	0 - 76	9	11	0 -100
Urologic Disease	8	0	0 -100	10	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	121
Occupancy Rate (%):	75
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	9
Percent of Physicians Who Are Board Certified Specialists:	89
Interns and Residents:	0
Registered Nurses:	11
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COMMUNITY HOSPITAL
AND HEALTH CARE CENTER

618 West Broadway St. Peter, Minnesota 56082 Phone 931-2200

COMMENTS ON 1987 HCFA MORTALITY DATA

St. Peter Community Hospital, St. Peter, Minnesota
Medicare Provider #240023

The data used by HCFA indicates that a total of 35 Medicare patients admitted to St. Peter Community Hospital died within 30 days of admission. Of these, 25 died while still a patient of the hospital, while 10 died after discharge. Review of the Diagnostic Categories shows that the Actual Morality Rate at St. Peter Community falls within the Range for Predicted Mortality in each of the 13 categories, as well as the mortality rate for all causes. The average age of these patients was 81 years.

Our facility is in agreement with HCFA that information on mortality is not a complete measure of the quality of care at any hospital. The mortality data provided is carefully reviewed and studied as part of our facility-wide quality assurance program.

David Larson
David Larson
Administrator

Paulette Redman, RRA
Paulette Redman
Director of Medical Records

STEVENS CO MEMORIAL HOSP

400 E 1ST ST
MORRIS, MN 56267

Medicare Hospital Provider Number: 240087

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	319	14	11 - 20	261	11	10 - 18
Cancer	14	50	18 - 68	5	40	13 - 83
Cerebrovascular Accidents	14	21	15 - 58	12	25	12 - 60
Gastrointestinal Catastrophes	3	0	3 - 79	1	0	0 - 98
Infectious Disease	2	100	5 - 89	1	0	0 - 99
Metabolic/Electrolyte Disorders	10	20	2 - 62	8	25	7 - 67
Pulmonary Disease	32	22	17 - 47	20	15	13 - 48
Renal Failure	1	100	2 - 97	0	-	-
Severe Acute Heart Disease	23	48	22 - 62	16	44	21 - 67
Severe Chronic Heart Disease	12	42	9 - 62	11	9	7 - 49
Severe Trauma	1	0	0 - 97	0	-	-
Gastrointestinal Disease	30	3	0 - 55	24	4	0 - 52
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	40	2	1 - 20	31	0	1 - 17
Musculoskeletal/Skin Conditions	23	0	0 - 36	27	0	1 - 21
Neuropsychiatric/Sensory Disease	10	10	0 -100	7	14	0 - 88
Urologic Disease	15	0	0 - 94	11	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	54
Occupancy Rate (%):	28
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	9
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	16
Licensed Practical Nurses:	12

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

Stevens Community Memorial Hospital

a LifeSpan family member

MEDICARE HOSPITAL MORTALITY DATA: 1988

The following comments have been prepared in response to HCFA's Medicare Hospital Mortality Data for patients admitted in 1987.

<> Accuracy of data verified

- -- HCFA's data agree with hospital's records concerning dates of death and last admission within 30 days of death
- -- For those patients who died outside of hospital, date of death agrees with death certificate completed by the physician

<> Unusual patterns identified

- -- Review of categories with 100% death rate
  - -- Renal failure: One case only. Patient refused dialysis. Chart indicates both patient and family request DNR status.
  - -- Infectious Disease: Two cases total.
    #1: Sepsis following infarction of mesentary with peritonitis
    #2: Septicemia in an 86-year-old whose family requested DNR
- -- Review of cancer cases
  - -- Of 7 cancer deaths reported, 3 cases had DNR orders on chart; 2 cases were under Hospice care

<> Hospital Characteristics Information reviewed

- -- Number of beds is reported as 33; data we submitted to AHA indicated 33 general med/surg beds, plus OB, CDU, and ICCU beds.
- -- No Hospice care is reported; data we submitted to AHA indicated that Hospice service was provided by hospital.

DATE OF THIS REPORT: 10/17/88

SWIFT COUNTY-BENSON HOSP

1815 WISCONSIN AVE
BENSON, MN 56215

Medicare Hospital Provider Number: 240107

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	254	12	10 - 19	269	12	12 - 21
Cancer	3	0	6 - 80	5	80	21 - 88
Cerebrovascular Accidents	12	25	7 - 56	15	20	11 - 53
Gastrointestinal Catastrophes	3	67	3 - 86	1	0	1 - 97
Infectious Disease	1	0	0 - 98	2	0	10 - 94
Metabolic/Electrolyte Disorders	11	36	12 - 66	18	6	9 - 41
Pulmonary Disease	33	21	14 - 44	33	18	16 - 45
Renal Failure	0	-	-	2	50	6 - 95
Severe Acute Heart Disease	12	25	17 - 65	16	25	20 - 63
Severe Chronic Heart Disease	12	33	7 - 59	20	15	15 - 49
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	25	4	0 - 46	22	0	0 - 46
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	26	0	0 - 27	27	0	0 - 25
Musculoskeletal/Skin Conditions	20	5	0 - 94	21	5	0 - 80
Neuropsychiatric/Sensory Disease	9	11	1 - 66	11	0	0 - 94
Urologic Disease	8	0	0 - 72	4	25	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	31
Occupancy Rate (%):	39
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	9
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	Yes

TRACY MUNICIPAL HOSP

5TH ST EAST
TRACY, MN 56175

Medicare Hospital Provider Number: 240009

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	219	18	11 - 22	248	16	11 - 21
Cancer	5	60	18 - 88	5	100	23 - 79
Cerebrovascular Accidents	6	17	5 - 68	10	40	8 - 64
Gastrointestinal Catastrophes	1	0	0 - 97	0	-	-
Infectious Disease	0	-	-	1	100	2 - 97
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	36	36	15 - 47	37	22	20 - 48
Renal Failure	4	25	11 - 87	1	0	3 - 98
Severe Acute Heart Disease	7	57	19 - 82	10	50	15 - 71
Severe Chronic Heart Disease	11	18	16 - 62	7	57	12 - 75
Severe Trauma	1	0	0 - 98	0	-	-
Gastrointestinal Disease	15	0	0 - 72	19	0	1 - 27
Gynecologic Disease	3	0	0 -100	0	-	-
Low-Risk Heart Disease	23	0	0 - 31	42	2	0 - 20
Musculoskeletal/Skin Conditions	15	0	0 - 66	15	7	1 - 49
Neuropsychiatric/Sensory Disease	0	-	-	2	50	0 -100
Urologic Disease	5	0	0 - 78	13	0	0 - 98

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	37
Occupancy Rate (%):	24
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	1
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	10
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

TRI COUNTY HOSPITAL

418 N JEFFERSON
WADENA, MN 56482

Medicare Hospital Provider Number: 240025

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	557	13	11 - 17	580	14	11 - 17
Cancer	14	50	23 - 73	9	33	20 - 77
Cerebrovascular Accidents	29	21	15 - 45	23	35	19 - 57
Gastrointestinal Catastrophes	7	29	6 - 70	2	50	6 - 94
Infectious Disease	9	33	14 - 71	2	50	4 - 92
Metabolic/Electrolyte Disorders	16	25	10 - 55	20	15	14 - 50
Pulmonary Disease	37	30	18 - 48	52	29	15 - 41
Renal Failure	0	-	-	1	100	3 - 98
Severe Acute Heart Disease	26	54	22 - 60	32	38	24 - 57
Severe Chronic Heart Disease	30	17	13 - 41	32	25	13 - 43
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	69	1	1 - 11	82	4	1 - 14
Gynecologic Disease	10	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	61	7	1 - 19	71	3	1 - 13
Musculoskeletal/Skin Conditions	50	2	2 - 14	48	2	0 - 19
Neuropsychiatric/Sensory Disease	14	0	0 - 99	13	0	0 -100
Urologic Disease	15	0	0 - 94	13	0	0 - 81

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	62
Occupancy Rate (%):	57
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	11
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	34
Licensed Practical Nurses:	20

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

TRIMONT COMMUNITY HOSP

11 EAST CHESTNUT
TRIMONT, MN 56176

Medicare Hospital Provider Number: 240158

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	126	17	12 - 26	127	17	15 - 29
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	9	44	10 - 68	2	0	2 - 89
Gastrointestinal Catastrophes	0	-	-	1	100	3 - 99
Infectious Disease	0	-	-	2	50	7 - 96
Metabolic/Electrolyte Disorders	6	0	7 - 59	10	0	17 - 54
Pulmonary Disease	28	21	18 - 50	35	17	17 - 45
Renal Failure	0	-	-	1	100	0 - 97
Severe Acute Heart Disease	5	20	16 - 82	10	60	27 - 82
Severe Chronic Heart Disease	5	80	6 - 74	8	25	8 - 66
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	10	20	2 - 58	8	0	0 - 94
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	24	0	0 - 25	19	0	0 - 38
Musculoskeletal/Skin Conditions	8	13	0 - 99	9	0	1 - 55
Neuropsychiatric/Sensory Disease	0	-	-	0	-	-
Urologic Disease	5	0	0 -100	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	24
Occupancy Rate (%):	21
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	0
Registered Nurses:	6
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Medical Care Since 1950

CH

Trimont Community Hospital

11 East Chestnut Street • Trimont, Minnesota 56176 • Phone (507) 639-2911

September 21, 1988 240158 Hosp. ID No.

Ms. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2 - D - 2
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert:

This is to advise you that there is an error in the data used to conduct your analysis of mortality.

Medical Record #	Surname	Health Ins. Claim #	Sex
[redacted]	[redacted]	[redacted]	M

Date of admission	Age	Principal DX	Date of Discharge
[redacted]	[redacted]	[redacted]	[redacted]

Date of Death	Death Within 30 days
[redacted]	Y

[redacted] was transferred from our hospital on 7/16/87 to the V. A. Hospital in Minneapolis, Minnesota, after being seen in our emergency room. Therefore, his last discharge in 1987 was not from the Trimont Community Hospital, but rather was from the Veterans Administration Hospital.

We are aware that the V.A. may not notify you of their Medicare admissions, but feel this death should not have been charged to the Trimont Hospital, as it skews the actual mortality rate.

Please advise.

Yours sincerely,

Beverly D. Tallant, RRA

Beverly D. Tallant, R.R.A.
Medical Record Department

TRINITY HOSPITAL

RURAL ROUTE L BOX 2120
BAUDETTE, MN 56623

Medicare Hospital Provider Number: 240098

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	132	11	11 - 23	108	13	9 - 22
Cancer	3	33	10 - 91	2	100	7 - 90
Cerebrovascular Accidents	9	11	7 - 56	7	14	8 - 64
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	2	50	1 - 92	0	-	-
Metabolic/Electrolyte Disorders	3	67	12 - 93	0	-	-
Pulmonary Disease	21	24	11 - 49	15	27	9 - 54
Renal Failure	0	-	-	1	100	1 - 97
Severe Acute Heart Disease	7	0	17 - 62	6	17	11 - 72
Severe Chronic Heart Disease	13	15	7 - 50	5	20	6 - 74
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	16	0	0 - 38	10	0	0 - 57
Gynecologic Disease	2	0	0 -100	0	-	-
Low-Risk Heart Disease	20	0	0 - 47	23	0	0 - 31
Musculoskeletal/Skin Conditions	7	0	0 -100	3	0	0 -100
Neuropsychiatric/Sensory Disease	1	0	0 -100	3	0	0 -100
Urologic Disease	2	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	34
Occupancy Rate (%):	21
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	0
Registered Nurses:	7
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Trinity Hospital

Baudette, Minnesota 56623

Telephone 218 634-2120

240098

Data Verification

As indicated by the HCFA data, 14 Medicare patients admitted to this hospital died within 30 days of admission.

In reference to the single sheet labeled "Medicare Hospital Mortality Information" under Hospital Characteristics: Trinity Hospital is licensed for a total of 34 beds - your information indicates the number of beds as 26. All other information appears correct as written.

Comments

All cases fall well within the broad ranges for predicted mortality. In at least three diagnostic categories, there is only one case listed which renders this data questionable in terms of size of the data base.

As in the 1986 data, HCFA's statistics do not reflect the severity of each patient's condition. Complicating diagnoses and/or co-existing conditions have direct impact on the prognosis of the individual patients. The majority (71%) of the patients indicated in this report were nursing home residents. In reviewing these cases, all of them suffered from multiple conditions, including cancer, congestive heart failure, myocardial infarct, and renal failure. It is also interesting to note that the average age of the 14 patients who died within 30 days of admission was 82 years compared to the average life expectancy in this country of approximately 75 years.

Of the four deaths occurring within the hospital setting, all were reviewed by the Medical Staff as part of the ongoing quality assurance program and were deemed unavoidable.

TWEETEN/LUTHERAN HEALTH CARE CENTER

125 FIFTH AVE SOUTHEAST
SPRING GROVE, MN 55974

Medicare Hospital Provider Number: 240135

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	7	0	1 - 58	6	17	1 - 72
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	1	0	3 - 98
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	0	-	-	2	50	0 - 99
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	3	0	1 - 84	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	1	0	0 -100	0	-	-
Musculoskeletal/Skin Conditions	0	-	-	1	0	0 -100
Neuropsychiatric/Sensory Disease	0	-	-	0	-	-
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	89
Occupancy Rate (%):	88
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	2
Percent of Physicians Who Are Board Certified Specialists:	50
Interns and Residents:	0
Registered Nurses:	4
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

UNITED DISTRICT HOSPITAL

401 PRAIRIE AVENUE NORTH
STAPLES, MN 56479

Medicare Hospital Provider Number: 240144

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	184	17	10 - 22	215	11	10 - 19
Cancer	5	20	12 - 79	3	67	9 - 90
Cerebrovascular Accidents	9	44	6 - 66	11	27	8 - 59
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	2	50	2 - 92	2	0	11 - 95
Metabolic/Electrolyte Disorders	10	20	8 - 61	8	25	10 - 69
Pulmonary Disease	8	63	11 - 71	19	26	11 - 52
Renal Failure	1	100	2 - 97	1	0	3 - 99
Severe Acute Heart Disease	21	43	23 - 64	11	27	18 - 69
Severe Chronic Heart Disease	11	27	6 - 59	16	19	11 - 51
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	13	8	0 - 88	14	0	0 - 88
Gynecologic Disease	1	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	35	0	0 - 17	27	4	0 - 56
Musculoskeletal/Skin Conditions	11	0	0 - 93	23	0	0 - 53
Neuropsychiatric/Sensory Disease	2	0	0 -100	3	0	0 -100
Urologic Disease	9	11	0 -100	8	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 140
Occupancy Rate (%): 74
Ownership/Control: District/Authority

STAFFING

Total Number of Physicians: 5
Percent of Physicians Who Are Board Certified Specialists: 100
Interns and Residents: (not available)
Registered Nurses: (not available)
Licensed Practical Nurses: (not available)

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

UNITED HOSPITAL

515 S MOORE ST
BLUE EARTH, MN 56013

Medicare Hospital Provider Number: 240162

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	365	10	9 - 16	393	11	9 - 17
Cancer	7	57	15 - 79	7	43	14 - 77
Cerebrovascular Accidents	19	26	13 - 53	8	38	6 - 68
Gastrointestinal Catastrophes	3	33	3 - 86	2	0	3 - 88
Infectious Disease	6	0	17 - 67	13	31	12 - 62
Metabolic/Electrolyte Disorders	11	18	6 - 57	11	0	6 - 42
Pulmonary Disease	20	10	17 - 48	25	24	12 - 47
Renal Failure	1	0	1 - 97	4	100	19 - 87
Severe Acute Heart Disease	12	42	18 - 70	30	33	26 - 60
Severe Chronic Heart Disease	14	29	7 - 55	11	0	9 - 41
Severe Trauma	1	0	1 - 97	0	-	-
Gastrointestinal Disease	23	0	0 - 47	36	3	0 - 26
Gynecologic Disease	7	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	32	0	0 - 19	49	0	1 - 11
Musculoskeletal/Skin Conditions	51	0	1 - 11	35	9	0 - 65
Neuropsychiatric/Sensory Disease	11	0	0 - 97	14	0	0 - 96
Urologic Disease	11	0	0 - 86	11	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	43
Occupancy Rate (%):	37
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	6
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	20
Licensed Practical Nurses:	14

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

UNITED HOSPITALS INC

333 NORTH SMITH
SAINT PAUL, MN 55102

Medicare Hospital Provider Number: 240038

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,538	10	9 - 13	2,770	11	9 - 13
Cancer	97	33	28 - 51	104	36	29 - 52
Cerebrovascular Accidents	76	25	20 - 41	93	28	19 - 38
Gastrointestinal Catastrophes	19	16	17 - 55	23	35	18 - 59
Infectious Disease	16	38	14 - 61	16	38	11 - 59
Metabolic/Electrolyte Disorders	59	15	10 - 37	56	20	12 - 39
Pulmonary Disease	106	23	20 - 39	120	24	18 - 37
Renal Failure	15	60	15 - 72	23	30	18 - 71
Severe Acute Heart Disease	84	38	27 - 50	90	42	29 - 52
Severe Chronic Heart Disease	99	31	14 - 34	95	35	14 - 35
Severe Trauma	2	0	1 - 90	4	50	2 - 83
Gastrointestinal Disease	164	1	1 - 7	187	3	1 - 8
Gynecologic Disease	31	0	0 -100	23	0	0 -100
Low-Risk Heart Disease	343	4	2 - 7	336	5	2 - 8
Musculoskeletal/Skin Conditions	254	4	1 - 8	268	3	1 - 6
Neuropsychiatric/Sensory Disease	189	1	0 - 7	255	1	1 - 6
Urologic Disease	110	2	0 - 10	117	0	1 - 6

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 329
Occupancy Rate (%): 80
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 241
Percent of Physicians Who Are Board Certified Specialists: 92
Interns and Residents: 18
Registered Nurses: 402
Licensed Practical Nurses: 53

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

Medicare Provider # 24-0038

UNITED HOSPITAL

ST. PAUL, MINNESOTA

COMMENTS ON HCFA MORTALITY DATA

United Hospital is a 572 licensed bed acute care facility which operated 329 beds in 1987. There are 241 active medical staff, 92% of which are Board Certified within their specialties. American Hospital Association data may indicate only subsets of the information contained in this explanation.

United Hospital, a regional referral center, has a variety of specialty services. Among these are orthopedics, rehabilitation, oncology, acute and chronic renal dialysis and cardiology (including open heart surgery). Our association with the adjacent St. Paul Heart and Lung facility results in a significant number of high severity cardiology and pulmonary admissions.

United Hospital has an effective Quality Assurance Program which includes strong physician peer review. Since 1983, severity of illness adjustment using the MedisGroups System has been an integral part of this program.

10/13/88

UNITY MEDICAL CENTER

550 OSBORNERD
FRIDLEY, MN 55432

Medicare Hospital Provider Number: 240132

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	936	10	9 - 14	1,332	12	9 - 14
Cancer	33	24	21 - 53	43	35	20 - 52
Cerebrovascular Accidents	38	16	16 - 41	37	30	13 - 43
Gastrointestinal Catastrophes	10	20	8 - 61	17	24	11 - 54
Infectious Disease	10	20	11 - 62	9	44	10 - 70
Metabolic/Electrolyte Disorders	18	28	6 - 51	23	35	12 - 53
Pulmonary Disease	58	26	15 - 40	70	23	17 - 39
Renal Failure	11	18	16 - 73	6	17	17 - 84
Severe Acute Heart Disease	41	34	24 - 54	66	33	24 - 48
Severe Chronic Heart Disease	40	15	10 - 34	69	30	14 - 37
Severe Trauma	0	-	-	3	33	6 - 87
Gastrointestinal Disease	79	3	1 - 12	91	7	0 - 18
Gynecologic Disease	18	0	0 -100	23	0	0 -100
Low-Risk Heart Disease	91	0	1 - 6	141	4	1 - 9
Musculoskeletal/Skin Conditions	107	1	0 - 9	162	2	0 - 8
Neuropsychiatric/Sensory Disease	30	7	0 - 71	74	1	0 - 14
Urologic Disease	51	2	0 - 29	67	3	0 - 72

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	275
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	2
Registered Nurses:	228
Licensed Practical Nurses:	41

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

UNIVERSITY OF MN HOSPITAL & CLINIC

HARVARD AT EAST RIVER RD, BOX
MINNEAPOLIS, MN 55455

Medicare Hospital Provider Number: 240049

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,301	8	8 - 12	2,371	6	8 - 12
Cancer	145	28	29 - 49	161	25	32 - 51
Cerebrovascular Accidents	17	24	14 - 54	29	3	14 - 34
Gastrointestinal Catastrophes	21	38	18 - 61	21	14	14 - 50
Infectious Disease	14	29	10 - 58	18	22	21 - 62
Metabolic/Electrolyte Disorders	20	10	12 - 46	25	20	15 - 51
Pulmonary Disease	45	38	19 - 49	26	35	12 - 49
Renal Failure	42	10	3 - 52	70	1	1 - 55
Severe Acute Heart Disease	16	44	17 - 63	27	41	24 - 60
Severe Chronic Heart Disease	59	17	15 - 36	40	22	13 - 40
Severe Trauma	2	50	1 - 94	2	100	1 - 89
Gastrointestinal Disease	63	3	1 - 15	63	0	1 - 9
Gynecologic Disease	12	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	294	5	2 - 8	212	3	1 - 7
Musculoskeletal/Skin Conditions	177	1	0 - 6	171	1	0 - 7
Neuropsychiatric/Sensory Disease	281	1	0 - 5	331	0	0 - 4
Urologic Disease	108	3	0 - 14	150	1	0 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	574
Occupancy Rate (%):	73
Ownership/Control:	State Government

STAFFING

Total Number of Physicians:	504
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	0
Registered Nurses:	1,135
Licensed Practical Nurses:	63

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	Yes
Hospice Care:	No

UNIVERSITY OF MINNESOTA
TWIN CITIES

The University of Minnesota Hospital and Clinic
Harvard Street at East River Road
Minneapolis, Minnesota 55455

HOSPITAL I.D.: 240049

October 21, 1988

Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building 2-D-2
6325 Security Boulevard
Baltimore, MD 21207

Attention: Sandra Kappert

We appreciate the opportunity to review this hospital's 1987 mortality data for Medicare patients prior to publication. Based on the data verification completed to date, the cases identified and the data elements for each appear to be accurate.

Publishing specialty service and staffing characteristics provides a context for more intelligently assessing the mortality data for each hospital, provided the characteristic data is accurate. The sample of characteristics supplied for review contained a number of errors (detailed on a separate enclosure). The correct 1987 statistics for this hospital are:

Beds (#): 574
Occupancy Rate (%): 73
Ownership/Control: State

Specialty Service	
Shock/Trauma or Burn Unit	Yes
Coronary Care Unit	Yes
Organ Transplant Service	Yes
Hospice Care	No

Staffing
Total No. of Physicians: 504
Percent Board Certified: 75
Interns and Residents Per Bed: .53
Registered Nurses Per Bed: 1.98
LPNs Per Bed: .11

We welcome the changes in the definitions of diagnostic categories the Department has implemented in an effort to improve the homogeneity of cases in each category. We also believe, however, that those significant changes highlight the fact that this data is still a very crude and unreliable basis for assessing the quality of care delivered by any hospital.

Sincerely yours,

Robert Dickler
General Director

/kj

enclosure

University of Minnesota Hospital and Clinic
I.D. No.: 240049

1986 HOSPITAL CHARACTERISTICS ERRORS
(Detailed explanation - NOT FOR PUBLICATION)

The 1986 characteristics supplied for this hospital contain a number of errors. The errors appear to be due to extraction of data from the wrong line of the AHA Annual Survey or to incorrect assumptions based on responses to one or more survey items. Each error and apparent cause are detailed below to aid in correction of procedures prior to extraction and publication of data from the 1987 Survey.

1. Beds (#):
   310 is number of general medical/surgical beds only (p.9, line 1 of AHA survey questionnaire). Correct total is 591 (p.9, line 26).

2. Percent of Physicians Who Are Board Certified
   Cannot determine source of error. However, correct number is 444 ÷ 474 or 93.6% (p.21, line 3 total, col. (2) ÷ col. (1))

3. Interns and Residents Per Bed
   p.17, line b.(2) of the questionnaire asks for the number of residents on the hospital payroll. At this hospital, residents are considered to be students and are, therefore, not on a payroll. The hospital does provide funding to the various medical departments for payment of "stipends" to residents. However, because the residents are not on the payroll, the number cannot be included in our response to this question.

   It is erroneous, however, to conclude that this hospital has no residents. A more accurate source for the number of residents, as the basis for calculating the resident to bed ration is the hospital's Medicare cost report or the September 1 resident count submitted to the Medicare fiscal intermediary in accord with CFR 412.118(f). The number submitted by this hospital for September 1, 1987, was 306.9.

4. Specialty Services: Coronary Care Unit
   In this hospital, the Coronary Care Unit is physically a subsection of a larger medical intensive care unit. Therefore, in accord with the directions the beds for this unit are included in p. 9, line 7, medical/surgical intensive care (include mixed ICU/CCU).

Functionally, however, Coronary Care is a distinct unit with its own medical director. Therefore, it is incorrect to conclude from the answers to p. 9, lines 7 and 8, that this hospital does not have a Coronary Care Unit.

For additional information or clarification of the above, please contact:

Alfred Dees
Associate Director
University of Minnesota Hospital and Clinic
Harvard Street at East River Road, Box 605
Minneapolis, MN 55455

Tel. No.: (612) 626-0966

VIRGINIA REGIONAL MEDICAL CTR

901 9TH ST N
VIRGINIA, MN 55792

Medicare Hospital Provider Number: 240084

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	654	11	8 - 14	934	14	9 - 15
Cancer	18	56	23 - 67	31	61	25 - 61
Cerebrovascular Accidents	27	26	11 - 45	29	28	15 - 48
Gastrointestinal Catastrophes	7	29	6 - 70	10	60	9 - 67
Infectious Disease	3	0	3 - 79	12	50	19 - 72
Metabolic/Electrolyte Disorders	9	56	6 - 67	16	19	6 - 50
Pulmonary Disease	32	13	10 - 37	37	19	13 - 41
Renal Failure	2	0	3 - 89	2	50	7 - 96
Severe Acute Heart Disease	41	32	22 - 52	61	43	27 - 53
Severe Chronic Heart Disease	23	22	8 - 44	39	33	10 - 40
Severe Trauma	0	-	-	2	0	4 - 89
Gastrointestinal Disease	47	2	0 - 20	81	4	1 - 13
Gynecologic Disease	5	0	0 -100	11	0	0 -100
Low-Risk Heart Disease	62	2	1 - 12	90	6	1 - 15
Musculoskeletal/Skin Conditions	56	2	0 - 16	72	3	0 - 19
Neuropsychiatric/Sensory Disease	39	0	0 - 48	62	2	0 - 39
Urologic Disease	40	2	0 - 78	43	0	0 - 14

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	199
Occupancy Rate (%):	57
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	42
Percent of Physicians Who Are Board Certified Specialists:	60
Interns and Residents:	0
Registered Nurses:	70
Licensed Practical Nurses:	42

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WACONIA RIDGEVIEW HOSP

500 S MAPLE ST
WACONIA, MN 55387

Medicare Hospital Provider Number: 240056

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	555	12	10 - 16	816	10	9 - 15
Cancer	13	31	17 - 66	16	50	22 - 69
Cerebrovascular Accidents	27	33	13 - 48	26	27	17 - 51
Gastrointestinal Catastrophes	5	20	7 - 75	7	29	10 - 72
Infectious Disease	4	50	8 - 84	9	11	10 - 60
Metabolic/Electrolyte Disorders	8	25	3 - 66	14	21	7 - 54
Pulmonary Disease	37	22	15 - 44	62	27	17 - 42
Renal Failure	4	50	14 - 93	2	100	9 - 94
Severe Acute Heart Disease	22	36	21 - 60	27	48	24 - 61
Severe Chronic Heart Disease	40	20	13 - 39	34	18	13 - 41
Severe Trauma	0	-	-	2	50	1 - 94
Gastrointestinal Disease	27	4	0 - 48	58	0	1 - 9
Gynecologic Disease	4	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	46	0	2 - 11	91	2	2 - 10
Musculoskeletal/Skin Conditions	86	3	0 - 19	147	1	0 - 7
Neuropsychiatric/Sensory Disease	7	0	0 -100	20	5	0 - 68
Urologic Disease	12	8	0 - 97	23	0	0 - 29

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	89
Occupancy Rate (%):	53
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	57
Percent of Physicians Who Are Board Certified Specialists:	98
Interns and Residents:	0
Registered Nurses:	103
Licensed Practical Nurses:	24

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WACONIA RIDGEVIEW
HOSPITAL

500 SOUTH MAPLE STREET • WACONIA, MINNESOTA 55387 • 612/442-2191 METRO 446-1200

October 5, 1988

Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, Maryland 21207

Re: Medicare Hospital Mortality Information
Hospital Characteristics

To Whom It May Concern:

Please note the following changes

		CHANGE
Beds (#)	79 (Adult Med/Surg)	109 (Adult/Med/Surg/OB/Peds
Occupancy Rate	43%	43% of 109 beds
Total # of Physicians	53	53 active staff
Percent of Physicians Who Are Board Certified Specialists:	57%	95%
Coronary Care Unit:	No	Yes

Sincerely,

John P. Devins
Executive Director

JPD:dks

WARREN COMMUNITY HOSPITAL

109 SOUTH MINNESOTA STREET
WARREN, MN 56762

Medicare Hospital Provider Number: 240085

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	116	16	8 - 23	156	19	9 - 22
Cancer	0	-	-	4	75	12 - 85
Cerebrovascular Accidents	9	22	7 - 62	10	30	9 - 63
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	4	75	3 - 80	1	100	2 - 97
Pulmonary Disease	9	22	4 - 61	18	11	7 - 42
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	9	44	15 - 73	10	70	21 - 74
Severe Chronic Heart Disease	7	29	4 - 68	10	10	7 - 53
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	7	14	0 - 99	10	0	0 - 94
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	18	0	0 - 45	20	0	0 - 50
Musculoskeletal/Skin Conditions	10	10	0 -100	16	6	0 - 89
Neuropsychiatric/Sensory Disease	3	0	0 -100	7	0	0 -100
Urologic Disease	2	0	0 -100	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	41
Occupancy Rate (%):	15
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	14
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	5
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WASECA AREA MEM HOSP

100 5TH AVE NW
WASECA, MN 56093

Medicare Hospital Provider Number: 240146

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	163	10	10 - 20	179	16	8 - 19
Cancer	3	33	4 - 86	6	67	10 - 76
Cerebrovascular Accidents	5	0	4 - 63	11	36	9 - 63
Gastrointestinal Catastrophes	1	0	0 - 98	1	100	0 - 99
Infectious Disease	2	50	3 - 92	1	0	0 - 98
Metabolic/Electrolyte Disorders	5	40	5 - 78	2	100	10 - 94
Pulmonary Disease	18	22	11 - 51	4	50	2 - 83
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	13	23	18 - 64	13	31	18 - 66
Severe Chronic Heart Disease	13	15	7 - 50	11	18	5 - 55
Severe Trauma	1	0	1 - 97	0	-	-
Gastrointestinal Disease	19	0	0 - 52	24	0	0 - 39
Gynecologic Disease	1	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	15	0	0 - 58	18	0	1 - 27
Musculoskeletal/Skin Conditions	8	13	0 -100	15	0	0 - 96
Neuropsychiatric/Sensory Disease	4	0	0 -100	5	0	0 -100
Urologic Disease	7	0	0 -100	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	19
Occupancy Rate (%):	37
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	6
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	16
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WATONWAN MEMORIAL HOSPITAL

1207 6TH AVENUE SOUTH
SAINT JAMES, MN 56081

Medicare Hospital Provider Number: 240157

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	175	19	11 - 23	182	14	9 - 20
Cancer	11	73	18 - 69	4	100	13 - 77
Cerebrovascular Accidents	10	10	10 - 54	10	30	10 - 64
Gastrointestinal Catastrophes	2	0	0 - 92	1	0	0 - 98
Infectious Disease	1	0	2 - 97	1	0	2 - 97
Metabolic/Electrolyte Disorders	6	50	7 - 76	5	40	8 - 79
Pulmonary Disease	16	38	16 - 62	17	18	10 - 49
Renal Failure	3	100	10 - 85	2	100	10 - 94
Severe Acute Heart Disease	4	75	10 - 83	6	67	21 - 86
Severe Chronic Heart Disease	13	15	12 - 54	10	10	7 - 53
Severe Trauma	1	0	2 - 97	0	-	-
Gastrointestinal Disease	20	10	0 - 67	25	4	0 - 55
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	21	5	0 - 65	24	0	0 - 25
Musculoskeletal/Skin Conditions	9	0	0 - 96	12	0	0 - 96
Neuropsychiatric/Sensory Disease	12	0	0 - 97	9	0	0 -100
Urologic Disease	0	-	-	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	31
Occupancy Rate (%):	23
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	10
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	7
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WEINER MEMORIAL MEDICAL CENTER

300 SOUTH BRUCE STREET
MARSHALL, MN 56258

Medicare Hospital Provider Number: 240007

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	328	10	9 - 16	349	12	9 - 17
Cancer	4	100	23 - 86	5	100	26 - 82
Cerebrovascular Accidents	17	35	9 - 54	10	40	6 - 63
Gastrointestinal Catastrophes	4	50	8 - 84	5	40	8 - 80
Infectious Disease	6	33	7 - 74	6	17	10 - 72
Metabolic/Electrolyte Disorders	6	0	3 - 59	10	20	2 - 61
Pulmonary Disease	16	13	9 - 46	21	10	9 - 40
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	21	33	22 - 62	26	35	25 - 61
Severe Chronic Heart Disease	13	15	6 - 50	27	19	11 - 42
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	30	0	0 - 21	25	0	0 - 31
Gynecologic Disease	4	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	41	0	1 - 13	29	0	0 - 25
Musculoskeletal/Skin Conditions	26	4	0 - 34	37	3	0 - 73
Neuropsychiatric/Sensory Disease	10	0	0 - 99	16	0	0 - 65
Urologic Disease	22	0	0 - 88	26	4	0 - 95

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	138
Occupancy Rate (%):	68
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	22
Percent of Physicians Who Are Board Certified Specialists:	73
Interns and Residents:	0
Registered Nurses:	30
Licensed Practical Nurses:	22

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WELLS MUNICIPAL HOSP

400 4TH AVE SW
WELLS, MN 56097

Medicare Hospital Provider Number: 240136

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	102	15	10 - 24	101	11	13 - 26
Cancer	1	100	0 - 98	2	0	7 - 90
Cerebrovascular Accidents	3	67	2 - 86	7	43	5 - 71
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	1	0	0 -100	1	0	0 -100
Pulmonary Disease	16	19	18 - 57	18	11	15 - 49
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	6	17	16 - 76	11	9	26 - 67
Severe Chronic Heart Disease	4	25	4 - 79	4	0	9 - 72
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	22	9	1 - 39	17	0	1 - 32
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	9	22	0 - 98	9	0	0 - 71
Musculoskeletal/Skin Conditions	8	0	0 - 93	4	0	0 -100
Neuropsychiatric/Sensory Disease	1	0	0 -100	1	0	0 -100
Urologic Disease	3	0	0 - 99	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	15
Occupancy Rate (%):	33
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	3
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	10
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WHEATON COMM HOSP

12TH ST AT 5TH AVE
WHEATON, MN 56296

Medicare Hospital Provider Number: 240112

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	218	16	10 - 21	259	12	13 - 22
Cancer	2	100	3 - 88	7	43	16 - 80
Cerebrovascular Accidents	9	44	12 - 70	9	44	15 - 73
Gastrointestinal Catastrophes	0	-	-	3	0	3 - 79
Infectious Disease	3	67	9 - 90	6	17	10 - 72
Metabolic/Electrolyte Disorders	2	50	0 - 97	4	50	1 - 84
Pulmonary Disease	23	22	17 - 53	37	16	14 - 41
Renal Failure	2	0	2 - 89	3	33	10 - 92
Severe Acute Heart Disease	14	43	20 - 68	15	60	21 - 68
Severe Chronic Heart Disease	15	27	14 - 58	14	21	12 - 55
Severe Trauma	0	-	-	1	0	0 - 98
Gastrointestinal Disease	25	4	0 - 57	11	0	0 - 73
Gynecologic Disease	3	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	19	0	0 - 52	37	5	1 - 27
Musculoskeletal/Skin Conditions	14	14	0 - 95	22	0	0 - 35
Neuropsychiatric/Sensory Disease	11	9	0 - 82	6	0	0 - 90
Urologic Disease	10	10	0 -100	8	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	35
Occupancy Rate (%):	29
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	25
Interns and Residents:	0
Registered Nurses:	6
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WHITE COMMUNITY HOSPITAL

320 HIGHWAY 110 EAST
AURORA, MN 55705

Medicare Hospital Provider Number: 240005

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	33	18	8 - 36	67	13	7 - 25
Cancer	1	100	3 - 99	0	-	-
Cerebrovascular Accidents	4	0	7 - 71	3	33	1 - 88
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	1	0	2 - 97	2	50	1 - 94
Metabolic/Electrolyte Disorders	0	-	-	6	0	7 - 59
Pulmonary Disease	5	60	6 - 78	3	33	1 - 88
Renal Failure	0	-	-	1	100	2 -100
Severe Acute Heart Disease	2	50	3 - 92	4	0	13 - 76
Severe Chronic Heart Disease	2	0	0 - 96	6	33	4 - 73
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	3	0	0 -100	5	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	5	20	0 - 99	8	0	0 - 94
Musculoskeletal/Skin Conditions	0	-	-	6	17	0 - 99
Neuropsychiatric/Sensory Disease	1	0	0 -100	0	-	-
Urologic Disease	1	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	85
Occupancy Rate (%):	75
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	8
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WINDOM AREA HOSP INC

HIGHWAY 60 71 NORTH
WINDOM, MN 56101

Medicare Hospital Provider Number: 240171

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	130	15	10 - 23	145	14	11 - 24
Cancer	3	67	10 - 90	1	0	1 - 97
Cerebrovascular Accidents	5	60	6 - 78	12	25	12 - 60
Gastrointestinal Catastrophes	1	0	0 - 99	0	-	-
Infectious Disease	1	0	0 - 99	3	33	3 - 86
Metabolic/Electrolyte Disorders	1	0	0 - 99	7	14	12 - 69
Pulmonary Disease	15	40	14 - 61	14	29	18 - 64
Renal Failure	0	-	-	2	100	11 - 97
Severe Acute Heart Disease	12	42	16 - 68	7	43	13 - 76
Severe Chronic Heart Disease	7	0	6 - 52	7	29	5 - 69
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	11	9	0 - 64	13	0	0 - 93
Gynecologic Disease	3	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	18	0	0 - 34	13	0	0 - 61
Musculoskeletal/Skin Conditions	17	0	0 - 67	11	0	0 -100
Neuropsychiatric/Sensory Disease	6	0	0 - 99	4	0	0 -100
Urologic Disease	0	-	-	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 35
Occupancy Rate (%): 14
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: (not available)
Percent of Physicians Who Are Board Certified Specialists: (not available)
Interns and Residents: (not available)
Registered Nurses: (not available)
Licensed Practical Nurses: (not available)

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

WORTHINGTON REGIONAL HOSP

1018 6TH AVE
WORTHINGTON, MN 56187

Medicare Hospital Provider Number: 240022

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	649	9	10 - 16	621	10	9 - 15
Cancer	19	42	18 - 62	17	47	20 - 66
Cerebrovascular Accidents	28	21	15 - 47	27	33	13 - 49
Gastrointestinal Catastrophes	3	0	9 - 82	7	71	17 - 79
Infectious Disease	7	14	9 - 66	7	0	19 - 65
Metabolic/Electrolyte Disorders	4	25	4 - 80	6	17	2 - 70
Pulmonary Disease	37	16	14 - 41	33	21	17 - 47
Renal Failure	0	-	-	1	0	0 - 98
Severe Acute Heart Disease	48	27	26 - 53	24	38	21 - 59
Severe Chronic Heart Disease	23	13	14 - 44	23	22	10 - 45
Severe Trauma	0	-	-	1	0	1 - 97
Gastrointestinal Disease	76	3	0 - 15	61	0	1 - 9
Gynecologic Disease	15	0	0 -100	12	0	0 -100
Low-Risk Heart Disease	91	4	1 - 12	60	2	1 - 12
Musculoskeletal/Skin Conditions	25	0	0 - 24	48	6	0 - 42
Neuropsychiatric/Sensory Disease	16	6	0 - 84	24	0	0 - 52
Urologic Disease	42	0	0 - 41	49	2	0 - 42

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	99
Occupancy Rate (%):	35
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	20
Percent of Physicians Who Are Board Certified Specialists:	95
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ZUMBROTA COMMUNITY HOSPITAL

383 W 5TH STREET
ZUMBROTA, MN 55992

Medicare Hospital Provider Number: 240172

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	98	19	9 - 26	152	17	7 - 20
Cancer	3	100	12 - 85	5	100	24 - 79
Cerebrovascular Accidents	4	75	5 - 80	8	63	8 - 69
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	1	0	1 - 97	2	0	1 - 90
Metabolic/Electrolyte Disorders	3	67	5 - 87	6	17	3 - 70
Pulmonary Disease	8	25	9 - 67	9	11	6 - 56
Renal Failure	0	-	-	1	100	3 - 98
Severe Acute Heart Disease	4	0	16 - 79	4	25	7 - 81
Severe Chronic Heart Disease	11	36	6 - 61	9	44	3 - 66
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	8	0	0 - 84	11	0	0 - 98
Gynecologic Disease	1	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	5	0	0 - 77	16	6	0 - 60
Musculoskeletal/Skin Conditions	10	20	0 -100	19	0	0 - 62
Neuropsychiatric/Sensory Disease	2	0	0 -100	6	0	0 -100
Urologic Disease	6	17	0 -100	9	0	0 - 94

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	19
Occupancy Rate (%):	37
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	19
Percent of Physicians Who Are Board Certified Specialists:	79
Interns and Residents:	0
Registered Nurses:	7
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ADAMS COUNTY HOSPITAL

210 NORTH WILSON DRIVE
WEST UNION, OH 45693

Medicare Hospital Provider Number: 360129

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	390	12	11 - 19	458	16	13 - 20
Cancer	5	20	21 - 87	16	44	23 - 70
Cerebrovascular Accidents	25	32	15 - 51	20	35	10 - 51
Gastrointestinal Catastrophes	3	33	4 - 86	3	0	5 - 79
Infectious Disease	11	55	16 - 71	8	50	18 - 79
Metabolic/Electrolyte Disorders	11	45	8 - 64	12	17	10 - 57
Pulmonary Disease	36	11	14 - 38	38	39	18 - 50
Renal Failure	2	0	4 - 89	3	0	11 - 86
Severe Acute Heart Disease	15	40	21 - 68	24	58	25 - 64
Severe Chronic Heart Disease	24	17	10 - 42	34	29	13 - 44
Severe Trauma	0	-	-	1	0	1 - 97
Gastrointestinal Disease	38	0	1 - 14	24	0	1 - 23
Gynecologic Disease	2	0	0 -100	0	-	-
Low-Risk Heart Disease	43	0	0 - 14	65	5	1 - 17
Musculoskeletal/Skin Conditions	30	3	1 - 26	42	2	0 - 23
Neuropsychiatric/Sensory Disease	4	0	0 -100	11	0	1 - 48
Urologic Disease	2	0	0 -100	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	68
Occupancy Rate (%):	29
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

AKRON CITY HOSPITAL

525 EAST MARKET STREET
AKRON, OH 44309

Medicare Hospital Provider Number: 360015

Diagnostic Category	**Calender Year 1987**			**Calender Year 1986**		
	Cases	**Actual Mortality Rate (%)**	**Range For Predicted Mortality (%)**	**Cases**	**Actual Mortality Rate (%)**	**Range For Predicted Mortality (%)**
All Cases	5,702	12	11 - 14	5,471	12	10 - 14
Cancer	277	39	32 - 50	264	45	34 - 53
Cerebrovascular Accidents	244	20	20 - 33	210	25	20 - 35
Gastrointestinal Catastrophes	36	31	20 - 54	39	46	21 - 56
Infectious Disease	156	31	24 - 46	130	28	26 - 48
Metabolic/Electrolyte Disorders	48	17	11 - 39	34	21	10 - 42
Pulmonary Disease	283	31	20 - 35	283	28	21 - 36
Renal Failure	35	23	11 - 59	39	18	11 - 59
Severe Acute Heart Disease	208	35	29 - 45	193	37	30 - 46
Severe Chronic Heart Disease	283	21	19 - 30	264	29	17 - 30
Severe Trauma	14	36	12 - 62	16	25	12 - 58
Gastrointestinal Disease	378	2	1 - 6	339	2	2 - 6
Gynecologic Disease	42	2	0 - 41	53	0	0 - 99
Low-Risk Heart Disease	636	4	2 - 6	651	2	2 - 5
Musculoskeletal/Skin Conditions	677	1	1 - 4	568	1	1 - 4
Neuropsychiatric/Sensory Disease	264	4	0 - 8	244	2	1 - 6
Urologic Disease	180	2	0 - 9	230	3	0 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	505
Occupancy Rate (%):	84
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	272
Percent of Physicians Who Are Board Certified Specialists:	78
Interns and Residents:	140
Registered Nurses:	584
Licensed Practical Nurses:	135

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

AKRON CITY HOSPITAL

October 20, 1988

William L. Roper, M.D.,Administrator
Health Care Financing Administration
Health Standards & Quality Bureau
Hospital Mortality Information
P. O. Box 26684
Baltimore, Maryland 21207

Dear Doctor Roper:

Akron City Hospital is in receipt of the Health Care Financing Administration (HCFA) mortality statistics which are scheduled for release in December, 1988. The comments which follow represent our public response as to the validity and usefulness of these data as a measure of quality of health care.

Assurance of the quality of health care is a responsibility which Akron City Hospital accepts with the greatest of seriousness. The measurement of quality is undertaken in every aspect of our operations, from maintaining the right equipment and personnel to monitoring patient outcome on a regular basis. We, as does the HCFA, believe that the public has a right to information regarding the quality of the hospital serving them. However, we are concerned that the release of raw data on mortality cannot appropriately serve as an evaluation of quality. There are many factors relating to these outcomes and it is impossible to thoroughly communicate this information on each hospital across the country.

We have several specific concerns regarding the HCFA statistics. First, the methodology cannot assess whether differences in mortality are due to diferrences in quality of care or, in fact, are due to differences in condition of the patients being treated. Second, use of mortality as the sole indicator of quality is not appropriate. Finally, inclusion of deaths after the patient goes home may make the hospital accountable for circumstances over which we have no control. Regarding the specific data you sent us, there is an error in our bed size. We currently have 513 adult beds which was the number filed in the 1986 AHA Annual Survey of Hospitals.

In summary, Akron City Hospital believes it dedication to the measurement and assurance of quality of health care has led to a far more precise and meaningful approach than the one proposed by HCFA. We hope to continue to demonstrate the public's confidence in our service has been well placed.

Sincerely,

Albert F. Gilbert

Albert F. Gilbert, Ph.D.
President

AKRON GENERAL MEDICAL CTR

400 WABASH AVE
AKRON, OH 44307

Medicare Hospital Provider Number: 360027

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	4,165	13	10 - 14	3,757	12	10 - 14
Cancer	167	41	32 - 52	155	39	31 - 51
Cerebrovascular Accidents	147	27	19 - 35	121	21	19 - 35
Gastrointestinal Catastrophes	32	41	19 - 56	37	49	22 - 58
Infectious Disease	63	59	23 - 51	61	56	25 - 55
Metabolic/Electrolyte Disorders	35	31	10 - 45	56	29	14 - 43
Pulmonary Disease	154	27	16 - 34	131	27	19 - 38
Renal Failure	17	53	17 - 73	24	29	15 - 68
Severe Acute Heart Disease	162	40	30 - 48	154	37	29 - 47
Severe Chronic Heart Disease	184	24	17 - 31	162	24	15 - 30
Severe Trauma	6	33	8 - 75	4	75	3 - 80
Gastrointestinal Disease	226	2	1 - 6	198	4	1 - 8
Gynecologic Disease	34	0	0 -100	28	0	0 -100
Low-Risk Heart Disease	775	4	2 - 5	615	3	2 - 6
Musculoskeletal/Skin Conditions	375	5	1 - 7	350	1	1 - 5
Neuropsychiatric/Sensory Disease	93	5	1 - 14	68	1	0 - 13
Urologic Disease	143	1	0 - 9	154	1	0 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	408
Occupancy Rate (%):	84
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	241
Percent of Physicians Who Are Board Certified Specialists:	79
Interns and Residents:	101
Registered Nurses:	275
Licensed Practical Nurses:	90

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

Medicare Provider #36-0027

400 Wabash Avenue
Akron, Ohio 4430
216/384-600

AKRON GENERAL
MEDICAL CENTER

Michael A. West
President and CE

October 21, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We wish to bring to your attention that the hospital characteristic information listed at the bottom of the page with the 1986 and 1987 mortality rates and ranges is inaccurate. What follows are the actual characterists for Akron General Medical Center for 1986 and 1987:

	1986	1987
Beds #	507	507
Occupancy Rate	62.4%	66.0%
Total Number of Physicians	530	545
% Physicians Board Certified	81.7%	81.9%
Interns & Residents per bed	0.22	0.21
RN's per bed		0.75
LPN's per bed		0.22

Please use this correct information in your final publication.

We have no other comments to make on the data. Thank you for the opportunity to respond.

Sincerely,

AKRON GENERAL MEDICAL CENTER

Michael A. West
President

sm
Enclosure

Member of
Health Network of Ohio

VHA.
Voluntary Hospitals of America, Inc.

ALLEN MEMORIAL HOSPITAL

200 W LORAIN ST
OBERLIN, OH 44074

Medicare Hospital Provider Number: 360213

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	426	13	10 - 17	425	14	11 - 18
Cancer	13	62	19 - 69	15	33	24 - 71
Cerebrovascular Accidents	19	26	14 - 54	25	24	12 - 46
Gastrointestinal Catastrophes	4	0	5 - 71	4	50	15 - 91
Infectious Disease	3	0	9 - 82	5	20	6 - 75
Metabolic/Electrolyte Disorders	8	0	9 - 53	14	14	10 - 53
Pulmonary Disease	44	23	11 - 38	35	23	15 - 44
Renal Failure	4	50	9 - 88	2	50	1 - 93
Severe Acute Heart Disease	19	74	21 - 61	15	60	22 - 69
Severe Chronic Heart Disease	35	17	11 - 38	34	18	10 - 38
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	23	0	0 - 44	28	7	0 - 64
Gynecologic Disease	6	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	43	5	0 - 24	35	0	1 - 15
Musculoskeletal/Skin Conditions	28	7	0 - 81	31	3	0 - 27
Neuropsychiatric/Sensory Disease	21	5	0 - 80	11	18	0 - 96
Urologic Disease	21	0	0 - 87	12	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	97
Occupancy Rate (%):	36
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	31
Percent of Physicians Who Are Board Certified Specialists:	74
Interns and Residents:	0
Registered Nurses:	70
Licensed Practical Nurses:	34

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ALLIANCE CITY HOSP

264 E RICE ST
ALLIANCE, OH 44601

Medicare Hospital Provider Number: 360131

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,573	18	12 - 17	1,461	15	11 - 16
Cancer	65	45	34 - 61	51	47	34 - 64
Cerebrovascular Accidents	72	29	16 - 38	55	33	17 - 43
Gastrointestinal Catastrophes	11	45	8 - 64	9	22	16 - 71
Infectious Disease	22	27	19 - 58	29	34	21 - 58
Metabolic/Electrolyte Disorders	42	36	13 - 46	18	33	9 - 54
Pulmonary Disease	104	38	17 - 38	85	27	16 - 38
Renal Failure	2	100	7 - 92	3	100	18 - 95
Severe Acute Heart Disease	94	46	26 - 49	69	41	27 - 52
Severe Chronic Heart Disease	83	25	14 - 34	87	23	13 - 32
Severe Trauma	2	0	6 - 90	3	0	2 - 80
Gastrointestinal Disease	126	3	1 - 10	118	3	1 - 11
Gynecologic Disease	14	0	0 -100	17	0	0 -100
Low-Risk Heart Disease	158	4	1 - 9	143	3	1 - 9
Musculoskeletal/Skin Conditions	101	6	0 - 17	94	2	1 - 10
Neuropsychiatric/Sensory Disease	51	0	1 - 11	54	6	0 - 63
Urologic Disease	59	7	0 - 54	59	2	0 - 26

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	178
Occupancy Rate (%):	52
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	65
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	138
Licensed Practical Nurses:	42

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

AMHERST HOSP

254 CLEVELAND AVE
AMHERST, OH 44001

Medicare Hospital Provider Number: 360130

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	351	9	8 - 15	351	9	8 - 15
Cancer	3	67	6 - 87	4	75	10 - 83
Cerebrovascular Accidents	13	0	16 - 43	8	50	5 - 68
Gastrointestinal Catastrophes	5	40	6 - 78	3	0	15 - 87
Infectious Disease	2	100	6 - 90	3	67	6 - 87
Metabolic/Electrolyte Disorders	8	38	10 - 71	11	18	4 - 56
Pulmonary Disease	33	21	11 - 41	29	24	14 - 47
Renal Failure	2	50	3 - 93	2	50	2 - 92
Severe Acute Heart Disease	10	20	16 - 66	13	15	15 - 57
Severe Chronic Heart Disease	19	16	10 - 45	19	21	7 - 46
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	36	3	0 - 27	29	0	0 - 21
Gynecologic Disease	5	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	41	2	0 - 20	37	3	0 - 32
Musculoskeletal/Skin Conditions	31	0	0 - 27	27	0	0 - 26
Neuropsychiatric/Sensory Disease	6	17	0 -100	5	0	0 - 93
Urologic Disease	14	0	0 - 92	15	0	0 - 96

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	71
Occupancy Rate (%):	34
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	37
Percent of Physicians Who Are Board Certified Specialists:	62
Interns and Residents:	0
Registered Nurses:	71
Licensed Practical Nurses:	32

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ASHTABULA GENERAL HOSP

2420 LAKE AVE
ASHTABULA, OH 44004

Medicare Hospital Provider Number: 360125

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,366	12	11 - 16	1,367	12	11 - 16
Cancer	28	46	26 - 63	38	37	28 - 60
Cerebrovascular Accidents	48	27	14 - 41	49	35	16 - 44
Gastrointestinal Catastrophes	8	25	8 - 67	3	33	3 - 86
Infectious Disease	29	52	23 - 61	32	34	20 - 56
Metabolic/Electrolyte Disorders	20	35	13 - 56	25	12	9 - 42
Pulmonary Disease	117	24	17 - 35	106	28	21 - 41
Renal Failure	10	50	16 - 79	8	13	18 - 78
Severe Acute Heart Disease	56	38	30 - 57	49	53	28 - 57
Severe Chronic Heart Disease	77	19	18 - 37	74	22	14 - 34
Severe Trauma	0	-	-	4	0	11 - 75
Gastrointestinal Disease	105	1	1 - 8	108	2	1 - 9
Gynecologic Disease	12	0	0 -100	18	0	0 -100
Low-Risk Heart Disease	142	4	1 - 10	144	1	2 - 6
Musculoskeletal/Skin Conditions	95	0	1 - 6	95	2	1 - 10
Neuropsychiatric/Sensory Disease	97	0	0 - 8	110	1	0 - 8
Urologic Disease	59	2	0 - 16	53	2	0 - 17

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	246
Occupancy Rate (%):	45
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	51
Percent of Physicians Who Are Board Certified Specialists:	67
Interns and Residents:	0
Registered Nurses:	130
Licensed Practical Nurses:	18

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

AULTMAN HOSPITAL

2600 6TH ST SW
CANTON, OH 44710

Medicare Hospital Provider Number: 360084

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	5,451	11	10 - 13	5,086	11	10 - 14
Cancer	212	36	32 - 51	198	37	32 - 52
Cerebrovascular Accidents	188	23	19 - 33	193	22	21 - 35
Gastrointestinal Catastrophes	33	30	19 - 55	46	41	22 - 55
Infectious Disease	59	44	24 - 54	40	30	21 - 53
Metabolic/Electrolyte Disorders	39	38	15 - 50	36	39	11 - 47
Pulmonary Disease	237	27	18 - 33	236	22	16 - 32
Renal Failure	21	29	16 - 68	15	53	13 - 72
Severe Acute Heart Disease	245	34	30 - 46	231	34	30 - 45
Severe Chronic Heart Disease	264	22	16 - 28	248	22	15 - 28
Severe Trauma	16	19	10 - 54	5	20	9 - 77
Gastrointestinal Disease	396	4	1 - 7	358	3	2 - 6
Gynecologic Disease	49	0	0 - 99	43	5	0 -100
Low-Risk Heart Disease	723	4	2 - 5	678	4	2 - 6
Musculoskeletal/Skin Conditions	524	3	1 - 5	525	4	1 - 5
Neuropsychiatric/Sensory Disease	309	2	1 - 6	265	3	1 - 7
Urologic Disease	210	2	0 - 8	171	1	1 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 687
Occupancy Rate (%): 67
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 276
Percent of Physicians Who Are Board Certified Specialists: 79
Interns and Residents: 78
Registered Nurses: 511
Licensed Practical Nurses: 197

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

AULTMAN HOSPITAL
2600 SIXTH STREET, S.W.
CANTON, OHIO 44710
PHONE 452-9911

October 5, 1988

Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2 - D - 2
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Sir:

I have reviewed the Medicare Hospital Mortality Information. I do not have any comments concerning the actual statistics. I do have concerns with the hospital characteristics that you propose to publish. Aultman Hospital is a 687 bed hospital. At the end of the 1986 reporting period we had 604 beds set up and staffed. The characteristics you propose to publish have us at 336 beds. This is an accurate number if you are only counting general medical/surgical beds and are excluding all critical care units, psychiatry and pediatric beds.

Also in 1986, we had 271 physicians; 217 or 80% were board certified. You have indicated that only 66% were board certified. Other statistics were not accurate but were calculated on bed size. I have enclosed corrections to the characteristics I feel are incorrect.

I understand that you plan to use the 1987 release of American Hospital Association's Annual Survey of Hospitals Files, but I was concerned that the mistakes would not be corrected. Thank you for your consideration in this matter.

Sincerely yours,

Janice Reese Hanna

Janice Reese Hanna, RN, MSN
Assistant Vice President
Professional Services

JRH/ka

BARBERTON CITIZENS HOSPITAL

155 5TH STREET N E
BARBERTON, OH 44203

Medicare Hospital Provider Number: 360019

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,545	13	9 - 14	2,607	13	10 - 14
Cancer	57	49	26 - 55	69	38	28 - 54
Cerebrovascular Accidents	101	25	17 - 36	91	35	17 - 38
Gastrointestinal Catastrophes	15	60	19 - 68	20	50	20 - 65
Infectious Disease	35	29	21 - 54	38	32	20 - 53
Metabolic/Electrolyte Disorders	29	10	9 - 39	38	21	10 - 41
Pulmonary Disease	133	20	17 - 34	159	28	16 - 34
Renal Failure	10	40	11 - 74	12	67	14 - 75
Severe Acute Heart Disease	98	49	28 - 50	112	45	29 - 50
Severe Chronic Heart Disease	141	33	14 - 31	131	24	15 - 32
Severe Trauma	3	33	3 - 86	1	0	0 - 99
Gastrointestinal Disease	170	4	2 - 9	199	3	1 - 7
Gynecologic Disease	22	5	0 -100	24	0	0 -100
Low-Risk Heart Disease	351	5	1 - 7	348	4	1 - 6
Musculoskeletal/Skin Conditions	238	2	1 - 6	240	2	1 - 6
Neuropsychiatric/Sensory Disease	98	2	1 - 10	121	2	0 - 13
Urologic Disease	130	2	0 - 9	100	1	0 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	293
Occupancy Rate (%):	72
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	104
Percent of Physicians Who Are Board Certified Specialists:	67
Interns and Residents:	9
Registered Nurses:	231
Licensed Practical Nurses:	81

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

BARBERTON CITIZENS HOSPITAL

October 21, 1988

Mrs. Sandra Kappert
Health Standards & Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

Providing quality health care is the utmost concern to this hospital's board of trustees, medical staff and management team. Therefore, we appreciate the opportunity to comment to the Health Care Financing Administration (HCFA) about our quality assurance activities and confirm that the release of this information will be used as a tool in our continual monitoring of quality care. However, mortality data such as this is not a true measure of quality care. Although we are strong proponents of the public's right to obtain useful, reliable information on the quality of health care available to them, we also advocate understanding the proper way to interpret this information. Despite the apparent significance of the information we fear that consumers will draw inaccurate conclusions from the data.

The mortality data does not necessarily identify areas in which this or any other hospital provides "high quality" or "low quality" care. A high mortality rate higher than predicted does not confirm the existence of quality problems, just as a mortality rate lower than predicted does not necessarily establish a "high quality" care performance. Actual mortality rates can be higher or lower for a variety of reasons. Most glaringly, HCFA mortality rates do not adequately account for the severity of a patient's illness which is a prerequisite to meaningful death statistics.

This year Barberton Citizens Hospital was outside the range of predicted mortality rates by two percent for severe chronic heart disease. After investigation of these patient records, we have determined that five of the deaths were the result of comorbidity. Taking this aspect into account our percentage has dropped in this range from 33 percent to 29.7 percent and therefore within the acceptable guidelines. We believe it is also significant to note that 49 percent of the patients in this diagnostic group were 80 + years old.

- more -

The mission of the hospital has and will continue to be to strive for excellence in patient care and to provide the highest quality of medical care to the community. We will continue to aggressively educate our employees, medical staff, Board of Trustees and the citizens of our community on the significance of this HCFA data.

Sincerely,

M. A. Bernatovicz, President
Barberton Citizens Hospital
Medicare Provider Number 36-0019

MAB/rd

BARNESVILLE HOSPITAL ASSOC

639 W MAIN ST
BARNESVILLE, OH 43713

Medicare Hospital Provider Number: 360154

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	623	15	11 - 18	652	12	11 - 18
Cancer	12	50	21 - 74	11	55	24 - 78
Cerebrovascular Accidents	27	22	16 - 49	16	19	11 - 51
Gastrointestinal Catastrophes	1	0	0 - 97	2	100	3 - 88
Infectious Disease	5	40	3 - 78	9	22	14 - 68
Metabolic/Electrolyte Disorders	11	18	9 - 59	9	11	14 - 63
Pulmonary Disease	64	25	18 - 41	50	20	19 - 44
Renal Failure	6	67	20 - 90	4	75	10 - 87
Severe Acute Heart Disease	39	31	23 - 53	39	28	25 - 54
Severe Chronic Heart Disease	47	17	12 - 35	47	21	16 - 41
Severe Trauma	1	100	3 - 98	1	0	0 - 98
Gastrointestinal Disease	44	5	1 - 23	48	0	1 - 11
Gynecologic Disease	4	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	95	3	1 - 11	91	1	1 - 8
Musculoskeletal/Skin Conditions	38	3	0 - 40	46	11	0 - 46
Neuropsychiatric/Sensory Disease	17	6	0 -100	15	0	0 - 89
Urologic Disease	20	5	0 -100	29	7	0 - 65

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	66
Occupancy Rate (%):	44
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	15
Percent of Physicians Who Are Board Certified Specialists:	60
Interns and Residents:	0
Registered Nurses:	41
Licensed Practical Nurses:	20

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BELLEVUE HOSP

811 NORTHWEST ST
BELLEVUE, OH 44811

Medicare Hospital Provider Number: 360107

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	501	8	8 - 14	451	7	8 - 14
Cancer	7	14	20 - 76	18	39	28 - 72
Cerebrovascular Accidents	20	30	12 - 52	16	25	8 - 52
Gastrointestinal Catastrophes	3	0	5 - 79	2	0	2 - 89
Infectious Disease	1	0	1 - 97	2	0	2 - 89
Metabolic/Electrolyte Disorders	2	0	0 - 94	0	-	-
Pulmonary Disease	19	26	9 - 49	14	0	8 - 36
Renal Failure	5	40	7 - 82	0	-	-
Severe Acute Heart Disease	29	31	23 - 57	14	36	24 - 71
Severe Chronic Heart Disease	20	30	11 - 51	23	4	11 - 35
Severe Trauma	0	-	-	1	0	0 -100
Gastrointestinal Disease	60	0	1 - 9	51	0	1 - 11
Gynecologic Disease	3	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	67	0	1 - 8	50	4	1 - 18
Musculoskeletal/Skin Conditions	64	0	1 - 9	51	4	1 - 20
Neuropsychiatric/Sensory Disease	25	4	0 - 85	41	0	0 - 19
Urologic Disease	22	0	0 - 38	18	6	0 - 97

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	47
Occupancy Rate (%):	(not available)
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

BERGER HOSP
600N PICKAWAY ST
CIRCLEVILLE, OH 43113

Medicare Hospital Provider Number: 360170

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	369	15	10 - 19	423	18	10 - 18
Cancer	15	53	24 - 72	8	50	18 - 79
Cerebrovascular Accidents	12	33	9 - 60	18	17	13 - 50
Gastrointestinal Catastrophes	0	-	-	6	17	12 - 74
Infectious Disease	14	29	14 - 62	6	50	16 - 84
Metabolic/Electrolyte Disorders	20	35	9 - 53	18	44	7 - 55
Pulmonary Disease	39	33	14 - 45	37	22	15 - 43
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	8	75	18 - 75	12	58	18 - 70
Severe Chronic Heart Disease	23	22	9 - 44	36	33	9 - 41
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	34	0	0 - 17	32	3	0 - 31
Gynecologic Disease	4	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	27	4	0 - 50	39	8	0 - 32
Musculoskeletal/Skin Conditions	36	0	0 - 32	46	4	0 - 53
Neuropsychiatric/Sensory Disease	8	0	0 -100	5	0	0 -100
Urologic Disease	3	0	0 -100	7	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	73
Occupancy Rate (%):	(not available)
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

BETHESDA HOSP ASSOC

2951 MAPLE AVE
ZANESVILLE, OH 43701

Medicare Hospital Provider Number: 360193

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,810	12	10 - 14	1,701	11	10 - 14
Cancer	66	39	26 - 53	72	33	29 - 54
Cerebrovascular Accidents	78	33	16 - 38	75	24	15 - 36
Gastrointestinal Catastrophes	14	29	16 - 64	8	25	13 - 71
Infectious Disease	17	35	14 - 59	11	9	12 - 56
Metabolic/Electrolyte Disorders	11	36	7 - 63	18	28	7 - 52
Pulmonary Disease	105	17	17 - 35	121	15	16 - 33
Renal Failure	10	50	22 - 85	11	36	16 - 78
Severe Acute Heart Disease	78	44	25 - 48	66	33	26 - 51
Severe Chronic Heart Disease	126	21	14 - 30	82	22	14 - 34
Severe Trauma	4	50	3 - 82	2	0	1 - 89
Gastrointestinal Disease	166	5	1 - 10	138	4	1 - 10
Gynecologic Disease	16	0	0 -100	14	0	0 -100
Low-Risk Heart Disease	206	2	1 - 7	194	3	1 - 7
Musculoskeletal/Skin Conditions	170	1	1 - 6	150	3	1 - 9
Neuropsychiatric/Sensory Disease	47	0	0 - 19	50	0	0 - 13
Urologic Disease	58	2	0 - 32	69	3	0 - 19

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	260
Occupancy Rate (%):	66
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	114
Percent of Physicians Who Are Board Certified Specialists:	68
Interns and Residents:	0
Registered Nurses:	256
Licensed Practical Nurses:	44

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

BETHESDA HOSPITAL

619 OAK STREET
CINCINNATI, OH 45206

Medicare Hospital Provider Number: 360179

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	5,999	15	12 - 15	5,916	14	11 - 15
Cancer	352	63	40 - 57	370	65	39 - 56
Cerebrovascular Accidents	230	25	20 - 34	211	22	21 - 35
Gastrointestinal Catastrophes	52	44	27 - 58	55	36	20 - 51
Infectious Disease	63	29	23 - 50	60	27	24 - 51
Metabolic/Electrolyte Disorders	66	32	14 - 43	66	33	12 - 41
Pulmonary Disease	316	26	20 - 35	272	26	19 - 34
Renal Failure	20	60	23 - 77	30	53	17 - 69
Severe Acute Heart Disease	214	36	30 - 46	207	40	31 - 47
Severe Chronic Heart Disease	350	22	18 - 29	332	21	18 - 29
Severe Trauma	4	25	4 - 80	6	33	4 - 74
Gastrointestinal Disease	468	3	2 - 6	415	2	2 - 6
Gynecologic Disease	31	3	0 -100	45	0	0 -100
Low-Risk Heart Disease	669	4	2 - 6	643	1	2 - 5
Musculoskeletal/Skin Conditions	580	2	1 - 5	566	2	1 - 5
Neuropsychiatric/Sensory Disease	247	4	1 - 8	315	2	1 - 6
Urologic Disease	317	1	0 - 6	297	1	1 - 5

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1985

Total Beds (#):	763
Ownership/Control:	Church

STAFFING

Interns and Residents:	0
Registered Nurses:	612
Licensed Practical Nurses:	158

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

Provider Number 360179

Bethesda

COMMENTS ON THE HCFA MORTALITY DATA

Bethesda Hospital, Inc.
Cincinnati, Ohio

Bethesda has analyzed the Medicare mortality data published by HCFA. Overall and in all categories except cancer, Bethesda was within the HCFA range of predicted mortality rates. Bethesda fell outside the predicted range for cancer mortality in both 1986 and in 1987 because deaths associated with The Hospice of Cincinnati were included in HCFA's calculations.

The Hospice of Cincinnati, owned and operated by Bethesda Hospital, is a community wide resource providing care and support to patients who have terminal illnesses and their families. Patients come from all over the Greater Cincinnati area, including other hospitals, to receive the care and the support offered by The Hospice of Cincinnati. Bethesda verified that 67 percent of the deaths reported in 1986 and 72 percent of the deaths reported in 1987 in the diagnostic category of cancer were patients associated with The Hospice of Cincinnati, thus explaining why Bethesda was above the range of predicted mortality rates.

The published hospital characteristics for Bethesda may require clarification due to possible errors in the reported information which HCFA derived from the American Hospital Association's 1987 Annual Survey of Hospitals. Bethesda's speciality services include Trauma Center, Cardiac Care Unit, Hemodialysis and Hospice as defined under the AHA Annual Survey Definition of Facility Codes. Staffing includes 0.03 medical residents per bed.

BLANCHARD VALLEY HOSPITAL

145 W WALLACE
FINDLAY, OH 45840

Medicare Hospital Provider Number: 360095

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,850	9	9 - 13	1,799	12	10 - 14
Cancer	87	33	30 - 54	76	37	28 - 53
Cerebrovascular Accidents	62	21	18 - 40	82	27	18 - 39
Gastrointestinal Catastrophes	14	57	9 - 60	11	36	12 - 66
Infectious Disease	18	17	15 - 53	14	29	17 - 64
Metabolic/Electrolyte Disorders	12	17	6 - 54	19	37	6 - 52
Pulmonary Disease	70	30	16 - 40	77	23	14 - 36
Renal Failure	9	44	18 - 83	8	25	9 - 74
Severe Acute Heart Disease	77	29	27 - 49	86	38	29 - 51
Severe Chronic Heart Disease	97	18	15 - 31	104	23	15 - 33
Severe Trauma	4	50	2 - 83	6	17	9 - 72
Gastrointestinal Disease	138	1	1 - 7	155	3	0 - 9
Gynecologic Disease	22	0	0 -100	20	0	0 -100
Low-Risk Heart Disease	216	1	2 - 6	194	3	2 - 7
Musculoskeletal/Skin Conditions	236	0	1 - 5	219	3	0 - 7
Neuropsychiatric/Sensory Disease	54	2	1 - 14	48	2	0 - 34
Urologic Disease	91	1	0 - 14	80	0	0 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	239
Occupancy Rate (%):	50
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	76
Percent of Physicians Who Are Board Certified Specialists:	67
Interns and Residents:	0
Registered Nurses:	159
Licensed Practical Nurses:	76

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

BLUFFTON COMM HOSP

139 GARAU ST
BLUFFTON, OH 45817

Medicare Hospital Provider Number: 360169

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	266	11	8 - 17	297	10	10 - 17
Cancer	3	100	14 - 86	2	0	7 -100
Cerebrovascular Accidents	8	38	9 - 69	14	36	11 - 59
Gastrointestinal Catastrophes	2	50	4 - 92	2	0	3 - 88
Infectious Disease	1	0	1 - 97	3	33	7 - 88
Metabolic/Electrolyte Disorders	6	17	2 - 70	9	0	2 - 49
Pulmonary Disease	16	19	8 - 49	14	29	14 - 61
Renal Failure	1	0	1 - 97	1	0	0 - 98
Severe Acute Heart Disease	13	23	19 - 64	17	24	24 - 64
Severe Chronic Heart Disease	23	26	9 - 46	25	28	12 - 47
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	42	7	1 - 26	33	3	0 - 29
Gynecologic Disease	3	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	36	0	0 - 17	28	4	0 - 35
Musculoskeletal/Skin Conditions	22	5	0 - 45	30	0	0 - 29
Neuropsychiatric/Sensory Disease	11	0	0 - 55	14	0	0 - 98
Urologic Disease	4	0	0 -100	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	42
Occupancy Rate (%):	38
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	10
Percent of Physicians Who Are Board Certified Specialists:	50
Interns and Residents:	0
Registered Nurses:	25
Licensed Practical Nurses:	13

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BOOTH MEMORIAL HOSPITAL

1881 TORBENSON DRIVE
CLEVELAND, OH 44112

Medicare Hospital Provider Number: 360061

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	5	0	0 -100	20	10	1 - 46
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	1	0	0 - 99
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	1	100	3 - 98
Pulmonary Disease	0	-	-	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	2	0	0 -100	0	-	-
Gynecologic Disease	2	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	0	-	-	3	0	0 -100
Musculoskeletal/Skin Conditions	1	0	0 -100	6	0	0 -100
Neuropsychiatric/Sensory Disease	0	-	-	1	0	0 -100
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	62
Occupancy Rate (%):	21
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BOOTH
MEMORIAL HOSPITAL

October 13, 1988

Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security blvd.
Baltimore, Maryland 21207

Medicare Provider #360 061

Subject: Medicare Hospital Mortality Information - 1986

Dear Ms. Kappert:

This letter is in response to the recent request for information regarding our 1986 mortality rate. The patient in question was admitted to Booth Memorial Hospital on July 18, 1986 with advanced carcinoma of the left colon with metastasis to the lungs. Although this patient was diagnosed with severe dehydration and electrolyte imbalance, the primary disease and cause of death was advanced carcinoma.

Thank you for allowing us this opportunity to address the 1986 mortality report prior to its publication.

Sincerely,

Diane M. Steinhilber

Diane M. Steinhilber
Director, Risk Management

DMS/dwb

BRENTWOOD HOSP

4110 WARRENSVILLE CENTER RD
WARRENSVILLE HEIGHTS, OH 44122

Medicare Hospital Provider Number: 360122

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,163	11	10 - 15	1,172	11	10 - 15
Cancer	43	51	26 - 58	49	39	30 - 60
Cerebrovascular Accidents	46	13	17 - 39	36	17	16 - 42
Gastrointestinal Catastrophes	8	25	11 - 69	16	25	14 - 59
Infectious Disease	26	19	15 - 49	18	39	16 - 61
Metabolic/Electrolyte Disorders	29	31	11 - 49	22	32	13 - 54
Pulmonary Disease	29	21	10 - 42	48	13	12 - 34
Renal Failure	6	50	11 - 82	5	20	14 - 85
Severe Acute Heart Disease	49	18	26 - 50	58	43	28 - 55
Severe Chronic Heart Disease	71	21	13 - 33	63	21	14 - 36
Severe Trauma	4	75	4 - 80	3	0	3 - 80
Gastrointestinal Disease	93	3	1 - 12	96	0	1 - 6
Gynecologic Disease	12	0	0 -100	12	0	0 -100
Low-Risk Heart Disease	166	2	1 - 7	159	3	1 - 8
Musculoskeletal/Skin Conditions	115	2	1 - 9	128	2	1 - 8
Neuropsychiatric/Sensory Disease	29	0	0 - 26	33	0	0 - 41
Urologic Disease	43	5	0 - 84	42	5	0 - 40

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	162
Occupancy Rate (%):	54
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	77
Percent of Physicians Who Are Board Certified Specialists:	87
Interns and Residents:	23
Registered Nurses:	136
Licensed Practical Nurses:	66

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BROWN CO HOSP

HOME ST
GEORGETOWN, OH 45121

Medicare Hospital Provider Number: 360116

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	521	11	12 - 18	575	10	11 - 17
Cancer	9	44	16 - 74	15	47	23 - 72
Cerebrovascular Accidents	20	20	17 - 53	13	15	10 - 52
Gastrointestinal Catastrophes	6	0	10 - 61	5	0	6 - 65
Infectious Disease	6	0	13 - 63	6	50	10 - 77
Metabolic/Electrolyte Disorders	11	18	12 - 61	21	33	15 - 57
Pulmonary Disease	47	28	19 - 47	39	13	17 - 41
Renal Failure	2	50	7 - 97	4	100	18 - 87
Severe Acute Heart Disease	17	53	25 - 70	26	27	26 - 60
Severe Chronic Heart Disease	49	16	14 - 36	48	19	13 - 36
Severe Trauma	0	-	-	1	100	0 - 99
Gastrointestinal Disease	37	3	1 - 21	51	0	0 - 13
Gynecologic Disease	8	0	0 - 97	5	0	0 -100
Low-Risk Heart Disease	84	4	1 - 12	72	1	1 - 10
Musculoskeletal/Skin Conditions	14	0	0 - 84	38	0	1 - 14
Neuropsychiatric/Sensory Disease	12	0	0 - 82	16	0	0 - 97
Urologic Disease	29	0	1 - 20	30	3	0 - 96

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	62
Occupancy Rate (%):	58
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	18
Percent of Physicians Who Are Board Certified Specialists:	61
Interns and Residents:	0
Registered Nurses:	48
Licensed Practical Nurses:	13

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BROWN MEMORIAL HOSPITAL

158 W MAIN RD
CONNEAUT, OH 44030

Medicare Hospital Provider Number: 360042

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	433	11	11 - 18	509	13	10 - 17
Cancer	10	50	25 - 81	10	50	31 - 88
Cerebrovascular Accidents	13	8	10 - 47	17	53	12 - 58
Gastrointestinal Catastrophes	1	0	1 - 97	6	0	12 - 63
Infectious Disease	8	25	9 - 67	11	27	18 - 70
Metabolic/Electrolyte Disorders	7	29	11 - 73	1	0	0 - 99
Pulmonary Disease	38	18	14 - 41	43	28	14 - 43
Renal Failure	1	100	1 - 97	3	33	5 - 88
Severe Acute Heart Disease	26	42	23 - 60	28	36	21 - 57
Severe Chronic Heart Disease	37	24	14 - 43	20	35	7 - 49
Severe Trauma	1	100	2 - 98	0	-	-
Gastrointestinal Disease	40	2	0 - 25	38	3	0 - 23
Gynecologic Disease	4	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	52	4	1 - 18	69	0	1 - 8
Musculoskeletal/Skin Conditions	27	0	0 - 36	43	0	1 - 12
Neuropsychiatric/Sensory Disease	4	0	0 -100	5	0	0 -100
Urologic Disease	32	0	0 - 39	32	3	0 - 73

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	70
Occupancy Rate (%):	40
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	16
Percent of Physicians Who Are Board Certified Specialists:	50
Interns and Residents:	0
Registered Nurses:	59
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Medicare Provider No.
36-0042

COMMENTS ON THE 1987 HCFA MORTALITY DATA

Brown Memorial Hospital
Conneaut, Ohio
October 1988

Thank you for the opportunity to provide comments for publication on the 1987 HCFA mortality statistics for Brown Memorial Hospital. Overall and in all categories except renal failure and severe trauma, Brown Memorial Hospital was within or below the HCFA predicted mortality ranges. It should be noted that a sample size of one for the categories of renal failure and severe trauma is too small to provide for any meaningful interpretation of these categories.

Furthermore, there are several deficiencies in the methodology used by HCFA that need to be considered in any interpretation of the data.

1. A method for determining severity of illness was not included in the analysis.

2. The analysis is based on principal diagnosis, not cause of death.

3. Many of the deaths included in the data, occurred after discharge from the hospital and may have been caused by factors unrelated to the hospitalization.

4. Only the last discharge of the patient was used in calculating the mortality rates even though the patient may have had several admissions during the reporting period. Using this methodology for calculating mortality rates would increase the hospitals' death rates.

In addition to the number of Medicare discharges counted by Brown Memorial Hospital differing from the HCFA count due to the methodology explained above, several other discrepancies in the data were identified. Three (3) patients whose deaths occurred after discharge from the Hospital were marked as not occurring within 30 days of discharge. However, the date of death reported by HCFA was within 30 days of the last hospitalization. There is no way to verify the actual date of death as the patient expired after leaving our facility. One patient was transferred to another acute care facility and, therefore, should have been included in that hospital's, not our, statistics.

The mortality rates by themselves are not a true measure of the quality of care provided. Peer review and quality assurance activities continue to provide the best mechanism for identifying quality concerns. Brown Memorial Hospital considers quality of care one of our highest priorities and maintains an active quality assurance program for monitoring patient care.

hcfadata

BUCYRUS COMMUNITY HOSPITAL

629 NORTH SANDUSKY AVENUE
BUCYRUS, OH 44820

Medicare Hospital Provider Number: 360030

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	430	15	10 - 17	416	13	10 - 18
Cancer	15	60	18 - 65	9	56	16 - 75
Cerebrovascular Accidents	16	44	9 - 56	22	18	12 - 46
Gastrointestinal Catastrophes	6	67	16 - 82	4	0	7 - 72
Infectious Disease	11	27	20 - 71	10	20	12 - 64
Metabolic/Electrolyte Disorders	9	22	5 - 62	10	20	10 - 62
Pulmonary Disease	24	38	10 - 50	32	22	13 - 43
Renal Failure	0	-	-	4	75	16 - 93
Severe Acute Heart Disease	17	59	20 - 64	19	47	18 - 61
Severe Chronic Heart Disease	27	22	10 - 43	23	26	11 - 48
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	39	0	0 - 16	23	0	0 - 48
Gynecologic Disease	4	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	50	4	1 - 18	52	8	0 - 27
Musculoskeletal/Skin Conditions	45	2	0 - 26	39	3	0 - 32
Neuropsychiatric/Sensory Disease	9	0	0 - 98	9	0	0 -100
Urologic Disease	28	0	0 - 35	32	3	0 - 63

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	55
Occupancy Rate (%):	34
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	26
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	42
Licensed Practical Nurses:	12

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CHRIST HOSPITAL

2139 AUBURN AVENUE
CINCINNATI, OH 45219

Medicare Hospital Provider Number: 360163

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	**Actual Mortality Rate (%)**	**Range For Predicted Mortality (%)**	**Cases**	**Actual Mortality Rate (%)**	**Range For Predicted Mortality (%)**
All Cases	3,603	9	9 - 13	3,509	9	9 - 13
Cancer	158	35	31 - 51	173	33	32 - 52
Cerebrovascular Accidents	77	22	18 - 38	95	17	19 - 36
Gastrointestinal Catastrophes	19	11	19 - 54	18	22	14 - 56
Infectious Disease	24	50	24 - 65	22	41	23 - 65
Metabolic/Electrolyte Disorders	56	21	13 - 41	39	23	14 - 46
Pulmonary Disease	98	28	19 - 40	108	25	19 - 38
Renal Failure	37	22	15 - 62	38	29	13 - 63
Severe Acute Heart Disease	122	28	29 - 47	108	31	27 - 47
Severe Chronic Heart Disease	111	19	16 - 32	136	18	16 - 31
Severe Trauma	1	100	0 - 99	4	50	1 - 84
Gastrointestinal Disease	188	0	2 - 5	181	4	2 - 9
Gynecologic Disease	49	0	0 -100	55	2	0 - 99
Low-Risk Heart Disease	680	4	2 - 6	555	4	2 - 6
Musculoskeletal/Skin Conditions	403	2	1 - 5	408	1	1 - 5
Neuropsychiatric/Sensory Disease	169	3	1 - 9	166	2	1 - 7
Urologic Disease	132	1	0 - 8	137	3	0 - 14

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 660
Occupancy Rate (%): 71
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 344
Percent of Physicians Who Are Board Certified Specialists: 81
Interns and Residents: 26
Registered Nurses: 438
Licensed Practical Nurses: 58

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: Yes
Hospice Care: No

The Christ Hospital

2139 Auburn Avenue | Cincinnati, Ohio 45219 | (513) 369-2000

Hospital ID#360163

October 21, 1988

William L. Roper, M.D., Administrator
Office of the Administrator
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Dr. Roper:

The Christ Hospital welcomes this opportunity to review and comment on the Medicare Hospital Mortality Information. As a matter of record we would like to report the present hospital characteristics. The Christ Hospital is a 660-bed private, not-for-profit, teaching facility. The Medical Staff is comprised of 360 members. Eighty-six percent of the Attending and Associate Attending staff are Board Certified specialists. The ratio of residents, interns, and nursing personnel per bed are as follows:

Interns/Residents per bed	0.07
Registered Nurses per bed	1.10
Licensed Practical Nurses per bed	.08

The hospital has extensive programs in such areas as--heart disease; women's health, internal medicine, cancer care, advanced orthopedics, surgical specialities, behavioral medicine.

The hospital has conducted an extensive review of the Medicare Hospital Mortality Information. In the three diagnostic categories in which the hospital's actual mortality rate is lower than predicted (gastrointestinal catastrophes, severe acute heart disease, gastrointestinal disease), it was concluded that 95 percent of the patients had multiple diagnoses with a maximum of 26 diagnoses. Thirty-two percent of the patients were transferred to The Christ Hospital.

The category of severe trauma shows a statistically insignificant mortality rate of 100 percent for the one patient who was discharged with a diagnosis that fell into this grouping. Review of this record found that the patient had been placed on "do not resuscitate" orders by the family's request.

The hospital strongly believes that mortality information, used alone, is not a good indication of the quality of care provided to patients. However, patterns that develop must be carefully analyzed and conclusions drawn. The hospital has identified no clear trend from the review of the mortality information, but will continue to monitor mortality as a part of the hospital's comprehensive quality accountability program.

Sincerely,

Stephanie W. Byrd

Stephanie W. Byrd
Assistant Vice President
Finance

SWB/kd

CITY HOSPITAL

4697 HARRISON ST
BELLAIRE, OH 43906

Medicare Hospital Provider Number: 360153

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	838	14	10 - 16	747	13	10 - 16
Cancer	30	47	23 - 60	21	48	20 - 62
Cerebrovascular Accidents	30	40	11 - 46	21	24	13 - 50
Gastrointestinal Catastrophes	4	50	5 - 82	5	80	13 - 80
Infectious Disease	13	46	16 - 68	5	40	10 - 81
Metabolic/Electrolyte Disorders	11	36	9 - 64	11	27	8 - 61
Pulmonary Disease	47	23	12 - 39	45	18	16 - 41
Renal Failure	5	40	15 - 89	0	-	-
Severe Acute Heart Disease	46	35	25 - 53	58	33	26 - 52
Severe Chronic Heart Disease	63	22	12 - 34	47	28	12 - 39
Severe Trauma	2	100	2 - 89	3	0	1 - 82
Gastrointestinal Disease	40	2	0 - 21	57	9	0 - 35
Gynecologic Disease	7	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	133	2	1 - 7	123	4	1 - 10
Musculoskeletal/Skin Conditions	58	3	0 - 23	54	4	0 - 26
Neuropsychiatric/Sensory Disease	41	5	0 - 84	50	2	0 - 22
Urologic Disease	42	7	0 - 42	32	0	0 - 25

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	83
Occupancy Rate (%):	59
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	60
Percent of Physicians Who Are Board Certified Specialists:	65
Interns and Residents:	0
Registered Nurses:	71
Licensed Practical Nurses:	20

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

City Hospital
Bellaire, Ohio

Provider Number: 36-0153

The hospital's comments consisted primarily of annotations to the patient specific information and/or the hospital characteristics generated by the Health Care Financing Administration and provided to the hospital. We did not publish this annotated information.

CLERMONT COUNTY HOSPITAL

3000 HOSPITAL DRIVE
BATAVIA, OH 45103

Medicare Hospital Provider Number: 360236

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,401	13	10 - 15	1,325	11	9 - 14
Cancer	35	51	29 - 63	22	55	27 - 69
Cerebrovascular Accidents	34	29	12 - 44	33	27	11 - 42
Gastrointestinal Catastrophes	8	38	11 - 72	12	58	18 - 71
Infectious Disease	19	37	18 - 61	25	24	15 - 52
Metabolic/Electrolyte Disorders	17	24	13 - 56	10	50	17 - 74
Pulmonary Disease	126	24	19 - 38	97	24	15 - 35
Renal Failure	1	0	1 - 97	4	75	12 - 88
Severe Acute Heart Disease	57	54	26 - 53	51	45	23 - 51
Severe Chronic Heart Disease	74	24	14 - 35	64	19	15 - 36
Severe Trauma	0	-	-	1	100	2 - 97
Gastrointestinal Disease	127	3	1 - 10	98	2	1 - 10
Gynecologic Disease	4	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	170	2	1 - 7	174	3	1 - 8
Musculoskeletal/Skin Conditions	114	4	0 - 13	115	2	1 - 8
Neuropsychiatric/Sensory Disease	88	3	0 - 16	80	1	0 - 14
Urologic Disease	31	3	0 - 73	48	0	0 - 16

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	151
Occupancy Rate (%):	72
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	71
Percent of Physicians Who Are Board Certified Specialists:	82
Interns and Residents:	0
Registered Nurses:	96
Licensed Practical Nurses:	36

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Clermont Mercy Hospital

3000 Hospital Drive
Batavia, Ohio 45103
(513) 732-8200

October 20, 1988

Mrs. Sandra Kappert
Health Standards and Quality
Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We appreciate the opportunity to respond to the mortality information provided to us with your letter of September 15, 1988 regarding Clermont Mercy Hospital, Batavia, Ohio.

1. Our analysis of the data provided indicates that six (6) cases should be removed from the statistics. These include three (3) transfers to other acute care facilities, two (2) patients who expired in greater than thirty (30) days from the date of admission, and one (1) case that was included in the 1986 data. With these corrections, we remain within the range for predicted mortality of all diagnostic categories.

2. It is important to note that, in this hospital, all deaths, including those patients who died in the Emergency Room, and regardless of the source of payment or age, are reviewed by the Pathology Review Committee, a committee composed of a cross section of medical staff members. Particular attention is paid to the medical management of all of the patient's problems/conditions. Any questions regarding the death and/or medical case management are brought to the attention of the attending physician, who must justify his management of the case. If a problem is identified, action is taken immediately.

3. We question the validity of the classifications used because they suggest that the principal diagnosis, which is utilized to classify the patients, is the same as the cause of death. In 36% of the cases, the cause of death differed from the principal diagnosis. In addition, 22% of the cases were discharged or transferred, making confirmation of the cause of death impossible to determine.

Member of Mercy Health Care System, Province of Cincinnati

We have no responsibility for, no control over and can do nothing to prevent a death occurring after a patient is discharged.

4. In reviewing the cases listed, we find that 28% of the patients were considered in a terminal condition upon admission, and 45% were considered in a terminal condition within 72 hours of admission. Our review also indicates that 86% of the patients who expired were being treated for conditions in addition to the principal diagnosis. These conditions are not addressed in the data HCFA proposes to release for publication, and, as a result, the data is not complete.

While we cannot agree that this publication of data will be of benefit to physicians, professional societies or consumers, we do appreciate the opportunity of reviewing the material before it is published and being allowed to voice our concerns regarding its validity and its value.

Sincerely,

Jacqueline Schweickart RN

Jacqueline Schweickart, R.N.
Director of Quality Control

JS:lks

CLEVELAND CLINIC HOSP

9500 EUCLID AVE
CLEVELAND, OH 44106

Medicare Hospital Provider Number: 360180

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	6,439	7	8 - 12	6,372	7	8 - 12
Cancer	362	25	35 - 51	367	31	36 - 53
Cerebrovascular Accidents	58	26	18 - 41	77	17	18 - 37
Gastrointestinal Catastrophes	50	30	22 - 53	49	35	21 - 52
Infectious Disease	24	50	23 - 63	26	31	13 - 52
Metabolic/Electrolyte Disorders	39	23	14 - 46	31	23	19 - 53
Pulmonary Disease	91	29	22 - 43	68	29	16 - 40
Renal Failure	26	12	5 - 55	41	10	2 - 56
Severe Acute Heart Disease	82	41	27 - 50	97	28	30 - 51
Severe Chronic Heart Disease	176	23	19 - 33	162	23	18 - 33
Severe Trauma	6	0	15 - 67	3	0	4 - 79
Gastrointestinal Disease	220	5	1 - 9	238	5	2 - 9
Gynecologic Disease	60	0	0 -100	69	0	0 - 81
Low-Risk Heart Disease	1,694	2	3 - 5	1,675	3	3 - 5
Musculoskeletal/Skin Conditions	700	1	1 - 4	700	1	1 - 4
Neuropsychiatric/Sensory Disease	415	1	1 - 5	422	1	1 - 5
Urologic Disease	210	2	0 - 8	222	0	0 - 5

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	980
Occupancy Rate (%):	75
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	441
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	491
Registered Nurses:	1,280
Licensed Practical Nurses:	176

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

CLEVELAND METRO GEN HOSP

3395 SCRANTON RD
CLEVELAND, OH 44109

Medicare Hospital Provider Number: 360059

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,964	14	10 - 14	1,891	14	10 - 15
Cancer	96	46	30 - 54	108	53	37 - 60
Cerebrovascular Accidents	70	21	15 - 36	35	14	13 - 38
Gastrointestinal Catastrophes	25	36	18 - 58	22	27	15 - 55
Infectious Disease	14	57	11 - 61	13	54	15 - 66
Metabolic/Electrolyte Disorders	62	35	16 - 46	43	23	14 - 45
Pulmonary Disease	75	37	16 - 40	92	28	12 - 34
Renal Failure	6	17	3 - 74	10	30	5 - 70
Severe Acute Heart Disease	46	48	24 - 53	47	55	24 - 54
Severe Chronic Heart Disease	96	11	15 - 30	100	16	14 - 30
Severe Trauma	13	23	8 - 57	26	54	12 - 54
Gastrointestinal Disease	112	6	0 - 15	122	2	0 - 9
Gynecologic Disease	25	0	0 -100	28	0	0 -100
Low-Risk Heart Disease	205	6	1 - 10	186	5	1 - 9
Musculoskeletal/Skin Conditions	169	2	1 - 8	145	3	0 - 9
Neuropsychiatric/Sensory Disease	54	0	1 - 11	57	5	0 - 55
Urologic Disease	58	7	0 - 72	48	4	0 - 50

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1985

Total Beds (#):	721
Ownership/Control:	Local Government

STAFFING

Interns and Residents:	197
Registered Nurses:	766
Licensed Practical Nurses:	188

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

360059

Cleveland Metropolitan General Hospital

Highland View Hospital

3395 SCRANTON ROAD • CLEVELAND, OHIO 44109 • 216-398-6000

HENRY E. MANNING
PRESIDENT

KEVIN J. SEXTON
Senior Vice President
Strategic Planning

CLEVELAND METROPOLITAN GENERAL/HIGHLAND VIEW HOSPITAL COMMENTS ON THE HEALTH CARE FINANCING ADMINISTRATION (HCFA) MEDICARE HOSPITAL MORTALITY INFORMATION

METRO appreciates this opportunity to comment on the 1987 HCFA Medicare mortality information. Although METRO is pleased that its 1987 mortality rates fell within the predicted range for all diagnostic categories, we agree, as you have emphasized, that this information cannot and should not be used to make judgments about the quality of care in an individual hospital or to make comparisons among hospitals. Too many differences exist among hospitals and the patient populations that they serve which are not accounted for by HCFA's predictive model. We have, however, incorporated this information in our quality assurance process and look forward to future refinements which will further increase its utility.

CLEVELAND METROPOLITAN GENERAL/HIGHLAND VIEW HOSPITAL

Cleveland Metropolitan General/Highland View Hospital (METRO), a component of the Cuyahoga County Hospital System (CCHS), is one of the leading referral centers in northern Ohio, and has the stated mission to deliver "high standards of care to all persons regardless of their ability to pay." Of all area hospitals, METRO remains consistent in its service to low-income and medically indigent patients. METRO is also a major academic and research center associated with the Case Western Reserve University School of Medicine.

METRO is a regional burn center, spinal cord injury center and a Level I Trauma Center. It serves as a base for METRO Life Flight, a regional aeromedical transport system. These services both extend the range of our services geographically as well as clinically in comparison with other area hospitals.

Patients from throughout Cuyahoga and adjacent counties who are severely burned, injured or are suffering from other major clinical problems, are either brought directly to METRO or transferred here from other hospitals for specialized treatment not available elsewhere. As a consequence, our case mix is dramatically different from other hospitals in greater Cleveland.

A UNIT OF THE CUYAHOGA COUNTY HOSPITAL SYSTEM • AFFILIATED WITH CASE WESTERN RESERVE UNIVERSITY

SEVERITY AND CASE MIX ISSUES

We are pleased to see that the statistical methodology was improved in the areas that we commented on last year. Although defining diagnostic categories to embrace diagnoses with more similar mortality risks lessens the impact of case mix differences, the HCFA model still only explains a small part of the variation in mortality rates among hospitals. As you have stated, severity of illness is an important factor which has not yet been incorporated into the methodology.

Our experience with the Severe Trauma category illustrates how, even with HCFA's refined model, patient severity influences mortality rates. Because METRO is a regional burn center, patients with third-degree burns dominate our discharges in this category and account for most deaths. According to data from the National Burn Information Exchange, there is a very strong relationship between severity as measured by extent of surface involvement and mortality. Patients 65 years and older with burns involving more than 40 percent of body surface have little or no chance of survival. In 1986, 11 of our 15 Medicare burn patients died, but nine had burns with more than 40 percent involvement. In 1987, however, only three of our nine Medicare burn patients had burns involving more than 40 percent of their bodies, and they accounted for all three severe trauma deaths.

We think that HCFA should continue its efforts to incorporate a severity measure or suitable proxies into their predictive model. METRO would be pleased to cooperate in such a development effort. In the meantime, HCFA should consider further modifying its model to account for those socioeconomic and demographic characteristics that are known to influence the incidence and severity of social and health problems, and that result in an increased risk of death.

CLINTON MEMORIAL HOSPITAL

610 WEST MAIN STREET
WILMINGTON, OH 45177

Medicare Hospital Provider Number: 360175

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,153	14	11 - 16	1,167	13	10 - 15
Cancer	29	48	30 - 67	32	53	29 - 65
Cerebrovascular Accidents	43	33	18 - 47	39	23	19 - 46
Gastrointestinal Catastrophes	12	25	17 - 67	11	55	12 - 68
Infectious Disease	17	59	18 - 64	15	33	15 - 63
Metabolic/Electrolyte Disorders	20	20	7 - 48	14	36	14 - 64
Pulmonary Disease	77	32	19 - 42	57	33	15 - 42
Renal Failure	8	50	16 - 82	6	50	15 - 87
Severe Acute Heart Disease	49	61	27 - 56	43	63	28 - 58
Severe Chronic Heart Disease	52	29	13 - 39	66	18	15 - 35
Severe Trauma	1	100	2 - 97	2	50	3 - 92
Gastrointestinal Disease	98	2	1 - 10	121	3	1 - 10
Gynecologic Disease	14	0	0 -100	10	10	0 -100
Low-Risk Heart Disease	140	3	1 - 8	121	3	1 - 10
Musculoskeletal/Skin Conditions	119	2	0 - 9	138	2	1 - 8
Neuropsychiatric/Sensory Disease	22	0	0 - 45	34	0	0 - 25
Urologic Disease	52	4	0 - 40	42	5	0 - 37

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 116
Occupancy Rate (%): 58
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 38
Percent of Physicians Who Are Board Certified Specialists: 68
Interns and Residents: 0
Registered Nurses: 80
Licensed Practical Nurses: 15

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

Clinton Memorial Hospital

610 West Main Street
Wilmington, Ohio 45177

Telephone 513 382-6611

October 20, 1988

William L. Roper, M.D.
Administrator
Health Care Financing Administration
6325 Security Blvd.
Baltimore, MD 21207

CERTIFIED - RETURN RECEIPT REQUESTED

Dear Dr. Roper:

Re: Medicare Provider #36-0175

In reply to your letter of September 15, 1988, we have reviewed the Medicare Hospital Mortality Information and, as in 1987, we again find that in the diagnostic category of Severe Acute Heart Disease we show an actual mortality rate of 5% above the predicted rate.

Careful review of the 49 cases involved shows that in each instance a high level of medical care was delivered. There is no indication that the 5% increase in mortality is in any way related to the care given, rather we believe that our increased rate is secondary to the fact that nineteen of our patients were eighty years of age or older and the incidence of comorbidity was extremely high in this older group.

There will continue to be a focused review of Severe Acute Heart Disease at Clinton Memorial Hospital, however at present we have no other action planned.

Sincerely,

Thomas F. Kurtz
President

TFK:cb

COMM HOSP OF SPRINGFIELD

2615 E HIGH ST
SPRINGFIELD, OH 45501

Medicare Hospital Provider Number: 360187

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,144	11	10 - 14	2,072	12	10 - 15
Cancer	73	51	33 - 59	62	40	26 - 54
Cerebrovascular Accidents	73	25	15 - 37	72	33	18 - 41
Gastrointestinal Catastrophes	24	29	22 - 61	9	56	12 - 71
Infectious Disease	27	22	20 - 55	31	26	26 - 60
Metabolic/Electrolyte Disorders	39	28	12 - 45	32	44	21 - 58
Pulmonary Disease	117	26	18 - 37	119	23	17 - 35
Renal Failure	11	45	17 - 78	11	36	13 - 75
Severe Acute Heart Disease	73	36	28 - 51	109	39	30 - 50
Severe Chronic Heart Disease	113	20	15 - 31	112	23	17 - 34
Severe Trauma	2	50	2 - 92	4	25	4 - 80
Gastrointestinal Disease	153	4	1 - 9	130	1	1 - 6
Gynecologic Disease	15	0	0 -100	20	0	0 -100
Low-Risk Heart Disease	273	1	2 - 5	263	3	2 - 7
Musculoskeletal/Skin Conditions	198	3	1 - 8	200	2	0 - 7
Neuropsychiatric/Sensory Disease	56	2	0 - 21	52	2	0 - 17
Urologic Disease	129	0	0 - 6	138	1	0 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	265
Occupancy Rate (%):	68
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	131
Percent of Physicians Who Are Board Certified Specialists:	73
Interns and Residents:	0
Registered Nurses:	258
Licensed Practical Nurses:	35

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

COMMUNITY HOSPITAL

426 CENTRAL DR
BRYAN, OH 43506

Medicare Hospital Provider Number: 360121

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	952	12	11 - 16	842	10	10 - 15
Cancer	21	52	26 - 68	18	44	27 - 72
Cerebrovascular Accidents	29	34	13 - 48	29	24	13 - 45
Gastrointestinal Catastrophes	4	0	13 - 76	3	33	3 - 86
Infectious Disease	22	27	20 - 59	8	25	12 - 70
Metabolic/Electrolyte Disorders	17	18	11 - 52	6	33	13 - 79
Pulmonary Disease	68	29	20 - 44	63	21	18 - 40
Renal Failure	1	0	2 -100	3	33	10 - 93
Severe Acute Heart Disease	37	65	28 - 60	36	47	29 - 62
Severe Chronic Heart Disease	49	20	13 - 37	44	27	15 - 42
Severe Trauma	1	0	0 - 98	0	-	-
Gastrointestinal Disease	90	6	1 - 14	73	1	1 - 11
Gynecologic Disease	15	0	0 -100	18	0	0 -100
Low-Risk Heart Disease	114	4	1 - 10	109	2	2 - 9
Musculoskeletal/Skin Conditions	90	0	2 - 7	86	0	1 - 7
Neuropsychiatric/Sensory Disease	26	0	0 - 47	29	0	0 - 30
Urologic Disease	50	2	0 - 39	42	2	0 - 29

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1985

Total Beds (#):	70
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	58
Licensed Practical Nurses:	37

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COMMUNITY HOSPITAL OF BEDFORD

44 BLAINE ST
BEDFORD, OH 44146

Medicare Hospital Provider Number: 360115

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	916	14	11 - 16	889	12	10 - 15
Cancer	26	46	25 - 63	15	47	16 - 64
Cerebrovascular Accidents	44	39	13 - 42	33	42	17 - 51
Gastrointestinal Catastrophes	12	17	14 - 61	7	14	11 - 68
Infectious Disease	8	50	16 - 77	8	38	13 - 73
Metabolic/Electrolyte Disorders	28	14	15 - 47	14	21	7 - 54
Pulmonary Disease	52	25	16 - 41	50	26	15 - 42
Renal Failure	6	67	12 - 82	7	29	11 - 79
Severe Acute Heart Disease	36	58	25 - 57	27	52	24 - 62
Severe Chronic Heart Disease	60	22	14 - 37	60	23	16 - 38
Severe Trauma	2	0	4 - 89	0	-	-
Gastrointestinal Disease	70	1	1 - 11	64	3	1 - 15
Gynecologic Disease	12	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	114	3	1 - 9	147	5	1 - 10
Musculoskeletal/Skin Conditions	74	0	2 - 8	64	0	1 - 9
Neuropsychiatric/Sensory Disease	19	0	0 - 41	18	0	0 - 38
Urologic Disease	58	3	0 - 26	63	3	0 - 29

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	110
Occupancy Rate (%):	56
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	53
Percent of Physicians Who Are Board Certified Specialists:	70
Interns and Residents:	0
Registered Nurses:	89
Licensed Practical Nurses:	34

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COMMUNITY
HOSPITAL
BEDFORD
44 Blaine Avenue • Bedford, Ohio 44146 • (216) 439-2000

JOHN P. AMBROSECCHIA
PRESIDENT
CHIEF EXECUTIVE OFFICER

360115
Community Hospital of Bedford
44 Blaine Street
Bedford, Ohio 44146

October 21, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, MD 21207

Re: Medicare Hospital Mortality Information

Severe Acute Heart Disease - 1987

Of the charts reviewed, 16 patients (44%) did not expire during their hospital stay. Of the patients that did expire, 11 (58%) presented to the Emergency Department in full cardiopulmonary arrest.

Infectious Diseases

The mean age in this category is greater than 83 years; 50% were greater than 85 years old and admitted in severe septic shock. Septic shock mortality rate for a patient greater than 85 years is higher than 65%.

Summary

Review of charts revealed actual mortality rates well within HCFA predicted ranges.

Sincerely,

John P. Ambrosecchia

John P. Ambrosecchia
President and Chief Executive Officer

COMMUNITY MEDCENTER HOSPITAL

1050 DELAWARE AVE
MARION, OH 43302

Medicare Hospital Provider Number: 360028

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	708	10	9 - 14	812	10	9 - 14
Cancer	18	33	23 - 66	22	23	27 - 64
Cerebrovascular Accidents	22	36	11 - 51	29	24	14 - 46
Gastrointestinal Catastrophes	1	0	1 - 97	6	67	11 - 78
Infectious Disease	9	33	13 - 70	3	0	9 - 82
Metabolic/Electrolyte Disorders	11	0	13 - 48	8	25	5 - 66
Pulmonary Disease	36	17	16 - 43	37	27	10 - 41
Renal Failure	6	67	10 - 80	4	25	16 - 92
Severe Acute Heart Disease	18	33	17 - 60	31	16	26 - 54
Severe Chronic Heart Disease	44	23	12 - 38	44	32	12 - 41
Severe Trauma	1	100	0 - 99	0	-	-
Gastrointestinal Disease	43	9	0 - 35	44	7	1 - 23
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	111	4	1 - 11	126	2	1 - 8
Musculoskeletal/Skin Conditions	76	4	0 - 19	93	1	0 - 9
Neuropsychiatric/Sensory Disease	19	0	0 - 75	19	0	0 - 70
Urologic Disease	40	2	0 - 81	47	2	0 - 24

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	100
Occupancy Rate (%):	73
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	45
Percent of Physicians Who Are Board Certified Specialists:	40
Interns and Residents:	0
Registered Nurses:	107
Licensed Practical Nurses:	17

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COMMUNITY MEM HOSP

208 N COLUMBUS ST
HICKSVILLE, OH 43526

Medicare Hospital Provider Number: 360140

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	197	11	7 - 16	211	15	10 - 20
Cancer	1	100	1 - 97	3	100	13 - 85
Cerebrovascular Accidents	10	30	7 - 62	13	15	16 - 58
Gastrointestinal Catastrophes	1	100	0 - 97	0	-	-
Infectious Disease	4	25	4 - 80	7	43	10 - 74
Metabolic/Electrolyte Disorders	3	0	1 - 85	2	0	0 - 95
Pulmonary Disease	15	40	12 - 60	13	15	6 - 50
Renal Failure	0	-	-	2	100	7 - 91
Severe Acute Heart Disease	6	67	10 - 76	10	30	21 - 74
Severe Chronic Heart Disease	10	0	11 - 45	17	18	12 - 50
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	27	4	0 - 70	20	0	0 - 59
Gynecologic Disease	2	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	25	0	0 - 30	18	11	0 - 71
Musculoskeletal/Skin Conditions	20	0	0 - 51	18	0	0 - 77
Neuropsychiatric/Sensory Disease	2	0	0 -100	2	0	0 -100
Urologic Disease	20	5	0 - 80	22	5	1 - 37

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	30
Occupancy Rate (%):	37
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COSHOCTON COUNTY MEMORIAL HOSPITAL

1460 ORANGE STREET
COSHOCTON, OH 43812

Medicare Hospital Provider Number: 360109

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	721	14	11 - 17	801	15	10 - 17
Cancer	14	57	24 - 73	22	68	27 - 66
Cerebrovascular Accidents	31	39	14 - 48	32	34	14 - 48
Gastrointestinal Catastrophes	7	43	5 - 72	10	30	9 - 65
Infectious Disease	8	25	12 - 70	3	33	3 - 86
Metabolic/Electrolyte Disorders	13	23	10 - 58	18	11	7 - 45
Pulmonary Disease	44	18	15 - 40	38	24	13 - 43
Renal Failure	6	67	17 - 88	3	33	10 - 93
Severe Acute Heart Disease	49	43	26 - 55	40	35	24 - 54
Severe Chronic Heart Disease	69	12	14 - 31	75	25	14 - 35
Severe Trauma	1	100	2 - 97	0	-	-
Gastrointestinal Disease	65	3	1 - 14	87	2	1 - 11
Gynecologic Disease	7	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	100	3	1 - 11	112	4	1 - 11
Musculoskeletal/Skin Conditions	57	2	1 - 13	56	4	1 - 17
Neuropsychiatric/Sensory Disease	19	0	0 - 47	10	0	0 -100
Urologic Disease	21	5	0 - 75	27	7	0 - 95

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 151
Occupancy Rate (%): 65
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 25
Percent of Physicians Who Are Board Certified Specialists: 60
Interns and Residents: 0
Registered Nurses: 49
Licensed Practical Nurses: 15

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

CRESTLINE MEMORIAL HOSPITAL

291 HEISER COURT
CRESTLINE, OH 44827

Medicare Hospital Provider Number: 360164

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	154	5	9 - 17	123	16	8 - 22
Cancer	2	50	3 - 92	2	50	7 - 95
Cerebrovascular Accidents	2	0	2 - 89	1	0	0 -100
Gastrointestinal Catastrophes	0	-	-	1	0	1 - 97
Infectious Disease	8	38	11 - 72	2	0	3 - 88
Metabolic/Electrolyte Disorders	1	0	0 -100	6	0	5 - 59
Pulmonary Disease	15	7	17 - 50	13	46	11 - 62
Renal Failure	0	-	-	1	100	1 - 97
Severe Acute Heart Disease	3	0	8 - 81	5	40	12 - 83
Severe Chronic Heart Disease	9	11	12 - 60	7	29	4 - 68
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	9	11	0 -100	10	10	0 - 99
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	15	0	0 - 70	13	15	0 - 99
Musculoskeletal/Skin Conditions	7	0	0 -100	9	0	0 -100
Neuropsychiatric/Sensory Disease	11	0	0 -100	5	0	0 -100
Urologic Disease	11	0	0 - 99	5	0	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	40
Occupancy Rate (%):	39
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	15
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	22
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CUYAHOGA FALLS GENERAL HOSP

1900 23RD ST
CUYAHOGA FALLS, OH 44223

Medicare Hospital Provider Number: 360150

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,207	14	10 - 15	1,249	14	9 - 15
Cancer	27	44	24 - 62	32	47	29 - 65
Cerebrovascular Accidents	48	35	15 - 43	46	11	17 - 38
Gastrointestinal Catastrophes	14	36	15 - 65	13	46	14 - 66
Infectious Disease	27	33	23 - 60	33	36	18 - 53
Metabolic/Electrolyte Disorders	20	20	12 - 51	18	28	6 - 51
Pulmonary Disease	85	34	16 - 39	101	33	17 - 39
Renal Failure	6	0	18 - 75	6	50	9 - 81
Severe Acute Heart Disease	44	50	25 - 55	29	55	21 - 57
Severe Chronic Heart Disease	45	36	11 - 40	79	24	13 - 33
Severe Trauma	1	0	0 - 99	1	0	1 - 97
Gastrointestinal Disease	89	4	1 - 13	82	1	1 - 9
Gynecologic Disease	12	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	133	2	1 - 8	146	8	1 - 12
Musculoskeletal/Skin Conditions	152	3	1 - 9	151	3	1 - 8
Neuropsychiatric/Sensory Disease	87	1	0 - 11	89	1	0 - 11
Urologic Disease	29	3	0 - 71	31	3	0 - 77

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	258
Occupancy Rate (%):	41
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	75
Percent of Physicians Who Are Board Certified Specialists:	53
Interns and Residents:	10
Registered Nurses:	80
Licensed Practical Nurses:	54

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

DEACONESS HOSP
311 STRAIGHT ST
CINCINNATI, OH 45219

Medicare Hospital Provider Number: 360038

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,941	11	10 - 14	2,531	12	10 - 14
Cancer	74	35	28 - 53	67	43	31 - 58
Cerebrovascular Accidents	82	23	18 - 38	86	26	18 - 38
Gastrointestinal Catastrophes	16	25	16 - 60	15	47	16 - 65
Infectious Disease	28	39	21 - 58	28	39	18 - 57
Metabolic/Electrolyte Disorders	76	24	14 - 40	59	15	10 - 36
Pulmonary Disease	249	26	23 - 38	217	27	20 - 36
Renal Failure	12	33	13 - 73	7	43	17 - 87
Severe Acute Heart Disease	73	29	28 - 51	69	49	27 - 52
Severe Chronic Heart Disease	139	21	15 - 30	120	22	16 - 32
Severe Trauma	2	0	2 - 89	2	0	2 - 89
Gastrointestinal Disease	224	4	1 - 8	188	5	2 - 9
Gynecologic Disease	21	5	0 -100	9	0	0 -100
Low-Risk Heart Disease	374	4	2 - 6	286	2	2 - 6
Musculoskeletal/Skin Conditions	326	2	1 - 6	265	4	1 - 7
Neuropsychiatric/Sensory Disease	125	3	1 - 10	124	1	1 - 7
Urologic Disease	93	2	1 - 11	83	5	0 - 17

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	276
Occupancy Rate (%):	65
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	348
Percent of Physicians Who Are Board Certified Specialists:	56
Interns and Residents:	0
Registered Nurses:	208
Licensed Practical Nurses:	61

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

THE DEACONESS HOSPITAL
311 STRAIGHT ST. CINCINNATI, OHIO 45219 513-559-2601

BUSINESS DEVELOPMENT & MARKETING

dh

October 21, 1988

Mrs. Sandra Kappert
Health Standards and Quality Control Bureau, HCFA
2 D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

I am writing to comment on the mortality data from HCFA, on behalf of the Deaconess Hospital in Cincinnati, Ohio. The statistics you provided show that our mortality rates are well within the predicted ranges for both total cases and for each group. As a matter of fact, in all cases we are in the lower part of the predicted range for each group.

STATISTICAL DATA

We verified that the HCFA reported admissions and deaths at discharge (or within 30 days of the latest admission occurring during 1987) were fairly accurate. There were three cases (1%) listed that had additional hospitalizations after the hospitalizations which you reported for them. There were a number of incorrect dates of death, incorrect ages, and variations for those patients listed as dead at discharge. There is a large discrepancy, however, between the reported Medicare beneficiaries whose latest admission to/or discharge from the hospital in 1987 (2,941) and the actual number of Medicare discharges from the hospital during the same year (4,498). Possible causes for this may be the high number of transfers and the referrals to and from other area hospitals, nursing homes, skilled nursing facilities and specialty providers.

DATA INTERPRETATION AND HOSPITAL SERVICES

The hospital is on the lower edge of the predicted mortality range (rate). The Deaconess Hospital has specifically targeted the Medicare population as a key segment of the community for which it provides services. Approximately 70% of our patient days are utilized by Medicare beneficiaries, many with complex illnesses and high acuity. There were 317 Medicare beneficiaries listed who either died at Deaconess Hospital during 1987 or who died within 30 days of their last admission to Deaconess during 1987. The average age of those listed was 81.9 years.

The hospital has found higher acuities in diagnostic categories such as pulmonary and heart disease. Due to the large number of patients received from extended and skilled nursing facilities in our area, the musculoskeletal and cutaneous condition group and the gastrointestinal group have high acuity and are debilitated, with complex, complicated illnesses.

THE DEACONESS HOSPITAL
Mrs. Sandra Kappert
page two

While it is know that interpretation of mortality data is not an overall indication of the hospital quality, we are encouraged by the fact that our rates fell within the predicted ranges. It is also reassuring to note that our 1987 rates represent a decrease or lower rate when compared to our 1986 rates. I hope these comments will provide assistance for current and future interpretation of mortality data for Deaconess Hospital and other hospitals in this area.

Sincerely,

Shirley M. Toepfert

SHIRLEY M. TOEPFERT

SMT:se

DEACONESS HOSP

4229 PEARL RD
CLEVELAND, OH 44109

Medicare Hospital Provider Number: 360102

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,577	9	10 - 14	2,514	11	10 - 14
Cancer	60	37	28 - 56	72	31	30 - 55
Cerebrovascular Accidents	79	16	19 - 38	87	23	19 - 39
Gastrointestinal Catastrophes	11	27	15 - 67	15	27	14 - 61
Infectious Disease	28	46	22 - 60	22	36	22 - 63
Metabolic/Electrolyte Disorders	50	24	15 - 44	25	16	9 - 44
Pulmonary Disease	151	17	19 - 35	128	26	19 - 37
Renal Failure	8	25	19 - 83	6	50	18 - 90
Severe Acute Heart Disease	83	30	27 - 48	81	37	27 - 50
Severe Chronic Heart Disease	151	21	16 - 31	192	24	17 - 32
Severe Trauma	4	50	5 - 82	0	-	-
Gastrointestinal Disease	204	2	2 - 7	176	3	2 - 8
Gynecologic Disease	33	0	0 -100	24	0	0 -100
Low-Risk Heart Disease	391	2	2 - 5	403	2	2 - 5
Musculoskeletal/Skin Conditions	280	2	1 - 6	297	4	1 - 7
Neuropsychiatric/Sensory Disease	49	4	0 - 21	44	0	0 - 19
Urologic Disease	116	1	1 - 7	90	1	0 - 12

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	316
Occupancy Rate (%):	68
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	154
Percent of Physicians Who Are Board Certified Specialists:	66
Interns and Residents:	0
Registered Nurses:	214
Licensed Practical Nurses:	104

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

DEFIANCE HOSPITAL INC

1206 E 2ND ST
DEFIANCE, OH 43512

Medicare Hospital Provider Number: 360093

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	757	15	10 - 16	874	11	10 - 16
Cancer	18	56	25 - 70	14	64	28 - 76
Cerebrovascular Accidents	35	31	13 - 44	32	19	14 - 43
Gastrointestinal Catastrophes	10	20	13 - 65	6	33	10 - 76
Infectious Disease	11	0	17 - 51	17	47	24 - 71
Metabolic/Electrolyte Disorders	15	27	5 - 54	24	25	14 - 52
Pulmonary Disease	53	38	15 - 43	81	22	18 - 39
Renal Failure	0	-	-	5	40	6 - 81
Severe Acute Heart Disease	36	42	30 - 63	27	33	20 - 56
Severe Chronic Heart Disease	35	34	10 - 42	43	33	12 - 41
Severe Trauma	0	-	-	1	0	0 - 97
Gastrointestinal Disease	62	0	0 - 10	79	1	1 - 10
Gynecologic Disease	5	0	0 -100	18	0	0 -100
Low-Risk Heart Disease	84	6	1 - 15	84	4	1 - 12
Musculoskeletal/Skin Conditions	51	2	0 - 21	70	0	1 - 8
Neuropsychiatric/Sensory Disease	58	0	0 - 12	55	2	0 - 19
Urologic Disease	41	2	0 - 70	32	0	0 - 35

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	96
Occupancy Rate (%):	53
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	44
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	0
Registered Nurses:	68
Licensed Practical Nurses:	32

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

DETTMER HOSPITAL INC

3130 N DIXIE HIGHWAY
TROY, OH 45373

Medicare Hospital Provider Number: 360184

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	247	15	7 - 17	487	13	10 - 17
Cancer	6	33	11 - 77	21	57	21 - 63
Cerebrovascular Accidents	12	25	7 - 57	27	26	17 - 51
Gastrointestinal Catastrophes	2	50	3 - 92	0	-	-
Infectious Disease	0	-	-	6	50	7 - 75
Metabolic/Electrolyte Disorders	6	67	5 - 74	8	38	3 - 69
Pulmonary Disease	12	25	7 - 57	21	14	14 - 47
Renal Failure	3	100	7 - 82	1	0	0 - 99
Severe Acute Heart Disease	6	33	10 - 76	24	42	24 - 63
Severe Chronic Heart Disease	17	29	7 - 51	28	32	8 - 44
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	30	10	0 - 70	54	4	0 - 19
Gynecologic Disease	1	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	23	4	0 - 67	43	5	0 - 29
Musculoskeletal/Skin Conditions	14	7	0 - 98	21	0	0 - 48
Neuropsychiatric/Sensory Disease	10	0	0 - 93	33	0	0 - 50
Urologic Disease	16	0	0 - 95	22	5	0 - 95

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	196
Occupancy Rate (%):	55
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	48
Percent of Physicians Who Are Board Certified Specialists:	73
Interns and Residents:	0
Registered Nurses:	84
Licensed Practical Nurses:	19

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

DOCTORS HOSPITAL

1087 DENNISON AVE
COLUMBUS, OH 43201

Medicare Hospital Provider Number: 360152

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,532	11	9 - 13	2,473	11	9 - 13
Cancer	95	33	29 - 52	82	30	26 - 50
Cerebrovascular Accidents	73	34	16 - 39	65	29	16 - 39
Gastrointestinal Catastrophes	23	17	12 - 48	19	37	13 - 57
Infectious Disease	33	15	21 - 51	32	31	17 - 52
Metabolic/Electrolyte Disorders	39	28	9 - 42	36	42	13 - 48
Pulmonary Disease	111	23	16 - 34	104	24	14 - 33
Renal Failure	20	45	16 - 70	14	43	14 - 73
Severe Acute Heart Disease	77	39	25 - 49	83	45	27 - 50
Severe Chronic Heart Disease	114	25	13 - 31	121	21	14 - 30
Severe Trauma	5	0	6 - 65	2	0	1 - 89
Gastrointestinal Disease	125	1	1 - 7	161	4	1 - 10
Gynecologic Disease	25	0	0 -100	19	0	0 -100
Low-Risk Heart Disease	371	3	2 - 6	326	4	1 - 6
Musculoskeletal/Skin Conditions	192	4	1 - 9	208	2	0 - 7
Neuropsychiatric/Sensory Disease	130	4	0 - 14	136	1	0 - 7
Urologic Disease	81	2	0 - 13	83	2	0 - 18

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	387
Occupancy Rate (%):	65
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	239
Percent of Physicians Who Are Board Certified Specialists:	46
Interns and Residents:	99
Registered Nurses:	389
Licensed Practical Nurses:	31

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

DOCTORS HOSPITAL INC

400 AUSTIN AVE NW
MASSILLON, OH 44646

Medicare Hospital Provider Number: 360151

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,502	11	8 - 13	1,469	13	9 - 14
Cancer	52	44	26 - 56	34	50	27 - 62
Cerebrovascular Accidents	33	36	12 - 45	50	24	16 - 41
Gastrointestinal Catastrophes	8	38	17 - 77	7	29	14 - 76
Infectious Disease	15	7	20 - 55	15	27	14 - 60
Metabolic/Electrolyte Disorders	19	32	11 - 55	18	17	15 - 54
Pulmonary Disease	77	30	16 - 39	84	35	15 - 38
Renal Failure	5	20	7 - 79	2	50	3 - 93
Severe Acute Heart Disease	38	45	21 - 54	58	26	24 - 49
Severe Chronic Heart Disease	63	22	13 - 35	74	32	13 - 36
Severe Trauma	13	15	10 - 56	9	22	9 - 65
Gastrointestinal Disease	122	5	1 - 11	104	7	0 - 18
Gynecologic Disease	13	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	164	2	2 - 8	164	4	1 - 9
Musculoskeletal/Skin Conditions	234	3	1 - 7	247	3	1 - 7
Neuropsychiatric/Sensory Disease	47	6	0 - 37	38	0	0 - 27
Urologic Disease	60	0	0 - 26	55	4	0 - 32

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	232
Occupancy Rate (%):	47
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	72
Percent of Physicians Who Are Board Certified Specialists:	71
Interns and Residents:	23
Registered Nurses:	170
Licensed Practical Nurses:	57

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Doctors Hospital

CORPORATE STAFF
[illegible]
[illegible]
[illegible]
President

Vice Presidents
[illegible]
Clinical Services
Nancy C. Kiloane
Patient Care Services
Jerry A. Rizor
Marketing/Planning

25th Anniversary

October 20, 1988

Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2 - D - 2
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Dr. Roper:

Once again as we assess the release of Medicare Mortality information, we are reminded that this is only one of many tools that may be considered.

Doctors Hospital continues to provide acute medical care for patients from Stark and surrounding counties. The medical staff provides coverage for over 600 patients confined to extended and intermediate care facilities within this area. Doctors Hospital quality assurance program continues to enhance the review process for in-depth clinical evaluation on a concurrent basis and provides for an internal mortality review.

Some discrepancies continue to be identified in the 1988 report. Specifically, the number of medicare patients treated in this facility was higher than reported even after adjustments for readmission. Several cases were also duplicated in the calculation for total deaths attributed to this institution. These two corrections would result in an even lower overall mortality rate.

While the validity of the relationship between mortality rates and quality of care remains questionable, we at Doctors Hospital continue to respect the purposes set forth by H.C.F.A. and appreciate the opportunity to respond to this report.

Sincerely,

Barbara Edwards

Barbara Edwards
Assistant Vice President
Resource Management

BE/llr

400 AUSTIN AVENUE N.W. • MASSILLON, OHIO 44646 • (216) 837-7200

DOCTORS HOSPITAL OF NELSONVILLE

WEST FRANKLIN STREET
NELSONVILLE, OH 45764

Medicare Hospital Provider Number: 360067

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	296	11	10 - 18	343	17	10 - 18
Cancer	6	50	11 - 79	10	50	11 - 68
Cerebrovascular Accidents	11	18	11 - 58	16	44	11 - 57
Gastrointestinal Catastrophes	2	0	7 - 91	4	0	2 - 72
Infectious Disease	7	29	13 - 74	6	50	10 - 77
Metabolic/Electrolyte Disorders	7	14	7 - 65	7	14	2 - 67
Pulmonary Disease	21	19	8 - 45	28	21	11 - 44
Renal Failure	6	67	13 - 83	3	33	4 - 87
Severe Acute Heart Disease	12	17	19 - 63	13	54	17 - 68
Severe Chronic Heart Disease	19	21	10 - 48	23	26	7 - 45
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	30	3	0 - 51	21	14	0 - 57
Gynecologic Disease	2	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	52	2	1 - 15	54	4	1 - 16
Musculoskeletal/Skin Conditions	24	0	0 - 30	31	3	0 - 32
Neuropsychiatric/Sensory Disease	0	-	-	4	0	0 -100
Urologic Disease	4	0	0 - 92	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	50
Occupancy Rate (%):	32
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	28
Percent of Physicians Who Are Board Certified Specialists:	50
Interns and Residents:	0
Registered Nurses:	23
Licensed Practical Nurses:	10

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

DUNLAP MEMORIAL HOSPITAL

832 SOUTH MAIN STREET
ORRVILLE, OH 44667

Medicare Hospital Provider Number: 360034

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	313	15	9 - 17	279	11	8 - 17
Cancer	5	100	14 - 70	5	80	9 - 76
Cerebrovascular Accidents	18	33	14 - 56	14	21	12 - 56
Gastrointestinal Catastrophes	2	50	6 - 94	1	100	0 - 98
Infectious Disease	2	0	2 - 89	2	50	1 - 92
Metabolic/Electrolyte Disorders	9	44	3 - 67	7	14	3 - 65
Pulmonary Disease	21	24	9 - 47	16	25	5 - 50
Renal Failure	0	-	-	1	100	2 -100
Severe Acute Heart Disease	17	47	18 - 64	14	43	18 - 67
Severe Chronic Heart Disease	26	12	11 - 39	18	17	8 - 46
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	26	0	0 - 29	20	0	0 - 59
Gynecologic Disease	6	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	34	0	0 - 17	27	4	0 - 48
Musculoskeletal/Skin Conditions	34	0	0 - 89	40	0	0 - 18
Neuropsychiatric/Sensory Disease	7	0	0 -100	7	0	0 -100
Urologic Disease	7	14	0 -100	9	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	62
Occupancy Rate (%):	26
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	33
Licensed Practical Nurses:	25

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

EAST LIVERPOOL CITY HOSPITAL

425 W 5TH STREET
EAST LIVERPOOL, OH 43920

Medicare Hospital Provider Number: 360096

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,347	15	11 - 16	1,265	15	11 - 16
Cancer	25	64	23 - 62	34	59	30 - 65
Cerebrovascular Accidents	62	29	17 - 41	58	26	17 - 41
Gastrointestinal Catastrophes	14	43	11 - 62	10	20	6 - 60
Infectious Disease	16	31	18 - 64	15	20	16 - 59
Metabolic/Electrolyte Disorders	22	36	15 - 56	21	33	10 - 52
Pulmonary Disease	67	34	16 - 41	74	34	17 - 41
Renal Failure	8	63	14 - 80	11	36	17 - 78
Severe Acute Heart Disease	66	52	28 - 54	69	38	27 - 52
Severe Chronic Heart Disease	122	20	16 - 31	91	23	15 - 34
Severe Trauma	4	0	4 - 71	0	-	-
Gastrointestinal Disease	88	6	1 - 15	69	1	0 - 12
Gynecologic Disease	12	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	179	2	2 - 8	195	3	2 - 8
Musculoskeletal/Skin Conditions	113	7	0 - 17	92	2	1 - 10
Neuropsychiatric/Sensory Disease	32	6	0 - 60	33	6	0 - 37
Urologic Disease	61	2	0 - 23	58	5	0 - 52

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	236
Occupancy Rate (%):	38
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	61
Percent of Physicians Who Are Board Certified Specialists:	43
Interns and Residents:	0
Registered Nurses:	137
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

EAST LIVERPOOL CITY HOSPITAL

425 West Fifth Street
East Liverpool, Ohio 43920

BRUCE NIELSEN
President

Telephone 216/385-7200
Medicare Provider #36-0096

October 21, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

We at the East Liverpool City Hospital take pride in the quality of the health care services which we provide. In that regard we were pleased to find that our actual mortality rate for patients with Medicare Insurance was within the range for predicted mortality in every diagnostic category except one. In that diagnostic category: Cancer, as was stated in the American Hospital Association's Member Briefing, Medicare Hospital Mortality Data: 1988, "(b)eing outside the limits simply means that it is likely that there is something that is not average about your hospital." For the East Liverpool City Hospital diagnostic category of Cancer what "is not average" is that we do not currently have hospice services available and do not offer therapeutic radiology. This being the case, more patients are admitted to our Hospital for whom death is predicted than would be the case if hospice services were available and fewer patients are admitted for therapy as one of the therapeutic components: therapuetic radiology, is not provided at our Hospital.

Further, we look forward to the time when the Health Care Financing Administration has refined it's data analysis capabilities to the point that it is able to take the variables of severity of illness and socio-economic status into consideration. We look forward to this improvement in the Health Care Financing Administration's capabilities because we believe that the addition of severity of illness and socio-economic status will further serve to demonstrate the quality of health care services provided at the East Liverpool City Hospital.

Also we believe worthy of mention is the fact that our data regarding the care which is provided at the East Liverpool City Hospital is analyzed by the Commission on Professional and Hospital Activities (CPHA) and reveals that our Mortality Rate for all patients (Medicare and Non-Medicare) is less and has been less for years than it was predicted to be by the statistical measures of the CPHA.

Finally, to correct the errors listed under the heading of Hospital Characteristics, in 1987 the East Liverpool City Hospital had 236 registered beds, an occupancy rate of 40%, an average of 167 registered nurses, and a combined Intensive/Coronary Care Unit (ICCU).

Respectfully,

Bruce Nielsen
President

BN/bla

ELYRIA MEMORIAL HOSPITAL

630 EAST RIVER STREET
ELYRIA, OH 44035

Medicare Hospital Provider Number: 360145

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,396	11	10 - 14	2,250	11	9 - 14
Cancer	69	39	29 - 56	59	51	31 - 60
Cerebrovascular Accidents	96	25	17 - 36	80	29	17 - 38
Gastrointestinal Catastrophes	26	38	17 - 57	28	32	20 - 58
Infectious Disease	23	39	20 - 61	18	33	21 - 65
Metabolic/Electrolyte Disorders	36	19	13 - 45	38	34	15 - 49
Pulmonary Disease	112	25	15 - 35	98	23	12 - 32
Renal Failure	15	33	12 - 69	8	13	11 - 72
Severe Acute Heart Disease	92	42	27 - 49	87	30	27 - 48
Severe Chronic Heart Disease	143	27	16 - 32	133	20	17 - 32
Severe Trauma	4	50	2 - 83	3	0	2 - 80
Gastrointestinal Disease	167	3	1 - 8	159	2	1 - 7
Gynecologic Disease	15	0	0 -100	16	0	0 -100
Low-Risk Heart Disease	496	3	2 - 6	394	5	2 - 7
Musculoskeletal/Skin Conditions	215	1	1 - 6	184	2	0 - 7
Neuropsychiatric/Sensory Disease	70	4	0 - 26	90	3	0 - 21
Urologic Disease	73	1	0 - 23	95	2	0 - 13

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	363
Occupancy Rate (%):	45
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	111
Percent of Physicians Who Are Board Certified Specialists:	62
Interns and Residents:	0
Registered Nurses:	256
Licensed Practical Nurses:	94

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

EUCLID GENERAL HOSPITAL

EAST 185TH STREET LAKE ERIE
EUCLID, OH 44117

Medicare Hospital Provider Number: 360082

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,588	13	11 - 15	2,532	13	11 - 16
Cancer	79	32	28 - 52	84	42	33 - 58
Cerebrovascular Accidents	136	21	21 - 37	134	23	19 - 36
Gastrointestinal Catastrophes	29	34	15 - 53	21	29	16 - 57
Infectious Disease	16	38	18 - 65	27	44	20 - 59
Metabolic/Electrolyte Disorders	38	50	15 - 50	32	25	15 - 49
Pulmonary Disease	105	32	18 - 39	102	37	17 - 38
Renal Failure	8	63	13 - 79	10	60	19 - 82
Severe Acute Heart Disease	114	34	28 - 48	106	36	31 - 51
Severe Chronic Heart Disease	175	23	17 - 32	187	28	18 - 33
Severe Trauma	3	0	4 - 79	3	33	4 - 86
Gastrointestinal Disease	177	6	1 - 10	184	4	2 - 9
Gynecologic Disease	29	0	0 -100	23	0	0 - 68
Low-Risk Heart Disease	359	3	2 - 6	331	3	2 - 7
Musculoskeletal/Skin Conditions	200	6	1 - 10	202	2	1 - 7
Neuropsychiatric/Sensory Disease	46	4	0 - 29	48	6	0 - 69
Urologic Disease	103	1	0 - 8	103	2	0 - 12

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	345
Occupancy Rate (%):	66
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	138
Percent of Physicians Who Are Board Certified Specialists:	85
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MERIDIA
HEALTH SYSTEM

EUCLID HOSPITAL

October 5, 1988

Health Standards and Quality Bureau, HCFA
Meadows East Building, 2 - D - 2
6325 Security Boulevard
Baltimore, Maryland 21207

Attention: Sandra Kappert

Medicare Provider No. 360082

Dear Ms. Kappert:

Following is the correct Specialty Services information for Meridia Euclid Hospital:

Shock/Trauma Or Burn Unit	No
Coronary Care Unit	Yes
Organ Transplant Service	No
Hospice Care	No

Sincerely,

Emil E Hornack, Jr.

Emil E. Hornack, Jr.
President

EEH:mm

FAIRVIEW GENERAL HOSPITAL

18101 LORAIN AVE
CLEVELAND, OH 44111

Medicare Hospital Provider Number: 360077

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,536	12	10 - 14	3,587	12	11 - 15
Cancer	114	35	30 - 52	111	33	31 - 53
Cerebrovascular Accidents	137	33	19 - 37	164	25	20 - 36
Gastrointestinal Catastrophes	25	16	20 - 54	27	22	18 - 53
Infectious Disease	48	42	23 - 54	48	38	23 - 55
Metabolic/Electrolyte Disorders	62	19	12 - 39	55	9	11 - 35
Pulmonary Disease	170	22	19 - 35	166	25	17 - 34
Renal Failure	15	60	18 - 75	16	38	17 - 75
Severe Acute Heart Disease	122	47	30 - 50	195	47	32 - 49
Severe Chronic Heart Disease	231	26	17 - 30	194	23	17 - 31
Severe Trauma	9	44	9 - 69	4	25	3 - 80
Gastrointestinal Disease	241	3	2 - 8	249	4	1 - 8
Gynecologic Disease	42	0	0 -100	34	0	0 -100
Low-Risk Heart Disease	507	4	2 - 6	484	1	2 - 5
Musculoskeletal/Skin Conditions	358	3	1 - 6	375	1	1 - 5
Neuropsychiatric/Sensory Disease	93	3	1 - 12	69	1	0 - 13
Urologic Disease	164	1	1 - 6	150	3	0 - 12

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	453
Occupancy Rate (%):	78
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	290
Percent of Physicians Who Are Board Certified Specialists:	77
Interns and Residents:	36
Registered Nurses:	570
Licensed Practical Nurses:	84

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

FAIRVIEW GENERAL HOSPITAL
PROVIDING A CIRCLE OF CARE

Office of The President

October 20, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

Fairview General Hospital, for some unexplained reason, did not receive its HCFA mortality data until October 17. Consequently, adequate time was not allowed to review the accuracy of the data. For the cases checked, it was found that minor errors such as incorrect dates existed. Also, we continue to disagree with the methodology that incorporates the use of "death within 30 days from discharge" in the calculation of mortality rates. This approach distorts the data as it includes events unrelated to hospitalization.

Fairview already operates a very extensive and sophisticated quality assurance program which reviews all patient care activities. An integral component of our system includes the review of all mortalities for the appropriateness of care during the hospital stay. This review process allows Fairview and its medical staff to continually monitor the patient care provided and to make improvements where appropriate.

Thank you for allowing Fairview General Hospital to comment on this data prior to public release.

Sincerely,

Thomas LaMotte

TL:rap

18101 Lorain Ave. • Cleveland, Ohio 44111-5656 • (216) 476-7000
A subsidiary corporation of Health Cleveland

FAYETTE COUNTY MEMORIAL HOSP

1430 COLUMBUS RD
WASHINGTON COURT HOUSE, OH 43160

Medicare Hospital Provider Number: 360177

Diagnostic Category	**Calender Year 1987**			**Calender Year 1986**		
	Cases	**Actual Mortality Rate (%)**	**Range For Predicted Mortality (%)**	**Cases**	**Actual Mortality Rate (%)**	**Range For Predicted Mortality (%)**
All Cases	643	15	10 - 16	711	17	10 - 16
Cancer	8	25	15 - 73	9	78	21 - 75
Cerebrovascular Accidents	20	35	11 - 52	31	35	14 - 48
Gastrointestinal Catastrophes	5	20	14 - 81	2	100	6 - 90
Infectious Disease	15	60	16 - 64	9	33	8 - 66
Metabolic/Electrolyte Disorders	21	19	9 - 48	19	37	14 - 58
Pulmonary Disease	48	33	11 - 40	37	43	11 - 45
Renal Failure	1	100	2 - 97	1	100	2 - 97
Severe Acute Heart Disease	25	52	24 - 62	34	41	26 - 59
Severe Chronic Heart Disease	53	25	13 - 37	51	39	14 - 41
Severe Trauma	1	0	2 - 97	1	0	0 - 98
Gastrointestinal Disease	52	8	1 - 23	64	0	1 - 9
Gynecologic Disease	8	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	64	2	1 - 12	89	7	1 - 15
Musculoskeletal/Skin Conditions	49	4	0 - 24	61	7	0 - 22
Neuropsychiatric/Sensory Disease	15	0	0 - 69	7	14	0 -100
Urologic Disease	27	4	0 - 71	29	3	0 - 90

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	63
Occupancy Rate (%):	54
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	16
Percent of Physicians Who Are Board Certified Specialists:	81
Interns and Residents:	0
Registered Nurses:	38
Licensed Practical Nurses:	19

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

FIRELANDS COMMUNITY HOSP

2020 HAYES AVE
SANDUSKY, OH 44870

Medicare Hospital Provider Number: 360120

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	15	0	0 -100	0	-	-
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	0	-	-	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	0	-	-
Musculoskeletal/Skin Conditions	0	-	-	0	-	-
Neuropsychiatric/Sensory Disease	15	0	0 -100	0	-	-
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	90
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	6
Licensed Practical Nurses:	43

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

FIRELANDS COMMUNITY HOSPITAL

1101 DECATOR ST
SANDUSKY, OH 44870

Medicare Hospital Provider Number: 360025

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,231	13	9 - 14	1,202	12	9 - 14
Cancer	46	50	28 - 60	46	46	30 - 61
Cerebrovascular Accidents	35	29	14 - 45	25	36	12 - 50
Gastrointestinal Catastrophes	13	46	14 - 66	13	31	16 - 66
Infectious Disease	13	46	12 - 64	9	33	11 - 69
Metabolic/Electrolyte Disorders	37	24	11 - 44	43	19	12 - 41
Pulmonary Disease	51	25	14 - 40	40	30	11 - 42
Renal Failure	3	33	6 - 88	4	100	17 - 85
Severe Acute Heart Disease	36	47	25 - 58	50	46	26 - 55
Severe Chronic Heart Disease	65	28	14 - 37	58	16	15 - 36
Severe Trauma	1	0	0 - 98	4	50	6 - 83
Gastrointestinal Disease	109	5	0 - 13	111	6	0 - 15
Gynecologic Disease	7	0	0 -100	17	0	0 -100
Low-Risk Heart Disease	128	2	1 - 7	133	3	1 - 9
Musculoskeletal/Skin Conditions	127	4	1 - 10	118	5	0 - 14
Neuropsychiatric/Sensory Disease	37	5	0 - 37	41	5	0 - 67
Urologic Disease	71	3	0 - 24	42	2	0 - 33

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	211
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	110
Licensed Practical Nurses:	98

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

FISHER TITUS MEM HOSPITAL

272 BENEDICT AVE
NORWALK, OH 44857

Medicare Hospital Provider Number: 360065

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	819	12	9 - 14	833	14	9 - 15
Cancer	19	42	24 - 67	26	54	20 - 59
Cerebrovascular Accidents	26	35	13 - 50	25	36	11 - 49
Gastrointestinal Catastrophes	5	20	7 - 75	6	33	7 - 74
Infectious Disease	5	20	10 - 77	1	100	1 - 97
Metabolic/Electrolyte Disorders	12	42	9 - 63	13	23	8 - 56
Pulmonary Disease	40	22	13 - 41	38	26	10 - 40
Renal Failure	0	-	-	3	67	7 - 90
Severe Acute Heart Disease	39	49	25 - 57	54	48	25 - 53
Severe Chronic Heart Disease	56	20	11 - 34	61	34	14 - 39
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	74	7	0 - 20	69	1	1 - 11
Gynecologic Disease	13	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	108	6	1 - 14	115	3	1 - 10
Musculoskeletal/Skin Conditions	53	2	0 - 18	55	0	1 - 10
Neuropsychiatric/Sensory Disease	19	0	0 - 53	18	11	0 - 96
Urologic Disease	65	5	0 - 43	54	2	0 - 30

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	162
Occupancy Rate (%):	59
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	53
Percent of Physicians Who Are Board Certified Specialists:	47
Interns and Residents:	0
Registered Nurses:	62
Licensed Practical Nurses:	36

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

FLOWER HOSP

5200 HARROUN RD
SYLVANIA, OH 43610

Medicare Hospital Provider Number: 360074

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,994	12	10 - 15	2,128	11	10 - 14
Cancer	98	45	32 - 56	108	39	29 - 52
Cerebrovascular Accidents	69	32	17 - 41	53	30	18 - 44
Gastrointestinal Catastrophes	16	38	21 - 68	11	18	16 - 65
Infectious Disease	31	39	20 - 56	18	50	22 - 68
Metabolic/Electrolyte Disorders	11	9	6 - 52	17	41	16 - 62
Pulmonary Disease	113	31	17 - 37	123	20	16 - 34
Renal Failure	7	57	11 - 80	5	60	11 - 86
Severe Acute Heart Disease	67	40	25 - 50	77	43	27 - 51
Severe Chronic Heart Disease	103	20	15 - 32	116	22	16 - 33
Severe Trauma	5	20	7 - 76	2	0	4 - 89
Gastrointestinal Disease	162	6	1 - 10	136	2	1 - 8
Gynecologic Disease	17	0	0 - 49	14	0	0 -100
Low-Risk Heart Disease	202	3	1 - 8	184	4	1 - 9
Musculoskeletal/Skin Conditions	268	3	1 - 6	302	1	1 - 5
Neuropsychiatric/Sensory Disease	74	1	0 - 12	109	1	0 - 8
Urologic Disease	76	0	0 - 10	100	2	0 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	503
Occupancy Rate (%):	66
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	164
Percent of Physicians Who Are Board Certified Specialists:	77
Interns and Residents:	18
Registered Nurses:	191
Licensed Practical Nurses:	64

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

FOSTORIA CITY HOSP
501 VAN BUREN ST
FOSTORIA, OH 44830

Medicare Hospital Provider Number: 360099

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	537	12	11 - 18	568	9	9 - 15
Cancer	8	75	22 - 79	8	25	23 - 80
Cerebrovascular Accidents	22	36	13 - 52	20	30	13 - 53
Gastrointestinal Catastrophes	3	33	6 - 87	4	50	11 - 87
Infectious Disease	7	29	17 - 78	3	33	7 - 88
Metabolic/Electrolyte Disorders	12	25	9 - 59	7	14	6 - 65
Pulmonary Disease	58	21	18 - 41	51	14	12 - 34
Renal Failure	3	67	12 - 94	2	100	10 - 94
Severe Acute Heart Disease	20	40	23 - 64	16	19	24 - 64
Severe Chronic Heart Disease	44	18	13 - 37	44	18	12 - 36
Severe Trauma	1	0	1 - 97	0	-	-
Gastrointestinal Disease	39	0	1 - 13	57	2	1 - 14
Gynecologic Disease	3	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	99	2	2 - 9	96	2	1 - 9
Musculoskeletal/Skin Conditions	31	3	1 - 24	46	4	0 - 25
Neuropsychiatric/Sensory Disease	4	0	0 -100	7	0	0 - 97
Urologic Disease	17	6	0 - 54	16	0	0 - 42

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	70
Occupancy Rate (%):	49
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	19
Percent of Physicians Who Are Board Certified Specialists:	74
Interns and Residents:	0
Registered Nurses:	46
Licensed Practical Nurses:	27

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

FT HAMILTON HUGHES MEMORIAL HOAPITAL

630 EATON AVENUE
HAMILTON, OH 45013

Medicare Hospital Provider Number: 360132

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,427	14	10 - 15	1,412	12	11 - 16
Cancer	54	59	32 - 61	77	47	30 - 56
Cerebrovascular Accidents	49	31	16 - 43	44	25	17 - 44
Gastrointestinal Catastrophes	20	55	16 - 61	8	25	11 - 70
Infectious Disease	14	50	16 - 66	14	50	20 - 71
Metabolic/Electrolyte Disorders	19	26	13 - 55	12	42	7 - 62
Pulmonary Disease	74	28	16 - 39	64	27	17 - 41
Renal Failure	5	80	13 - 83	9	44	18 - 84
Severe Acute Heart Disease	51	43	25 - 53	57	28	25 - 50
Severe Chronic Heart Disease	93	23	15 - 33	92	23	14 - 33
Severe Trauma	2	0	3 - 88	2	0	2 - 89
Gastrointestinal Disease	90	0	1 - 7	119	3	1 - 9
Gynecologic Disease	12	0	0 -100	14	0	0 -100
Low-Risk Heart Disease	194	3	2 - 8	169	2	1 - 7
Musculoskeletal/Skin Conditions	113	4	0 - 14	117	3	0 - 12
Neuropsychiatric/Sensory Disease	77	3	0 - 15	66	5	0 - 25
Urologic Disease	55	0	0 - 21	57	0	0 - 13

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	271
Occupancy Rate (%):	66
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	130
Percent of Physicians Who Are Board Certified Specialists:	74
Interns and Residents:	0
Registered Nurses:	231
Licensed Practical Nurses:	30

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

FULTON CO HEALTH CENTER

725 S SHOOP AVE
WAUSEON, OH 43567

Medicare Hospital Provider Number: 360069

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	571	11	10 - 16	572	12	10 - 17
Cancer	11	55	19 - 73	11	36	24 - 77
Cerebrovascular Accidents	21	24	13 - 50	12	8	13 - 52
Gastrointestinal Catastrophes	2	100	4 - 89	3	100	21 - 96
Infectious Disease	2	50	4 - 93	2	50	3 - 92
Metabolic/Electrolyte Disorders	3	33	2 - 86	4	50	3 - 82
Pulmonary Disease	16	13	15 - 52	25	8	9 - 36
Renal Failure	2	100	2 - 89	3	100	17 - 92
Severe Acute Heart Disease	38	37	26 - 58	45	31	28 - 56
Severe Chronic Heart Disease	52	17	13 - 35	43	30	13 - 41
Severe Trauma	1	100	3 - 98	0	-	-
Gastrointestinal Disease	61	3	1 - 14	59	0	1 - 9
Gynecologic Disease	6	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	75	1	2 - 10	75	4	1 - 14
Musculoskeletal/Skin Conditions	68	3	1 - 14	49	8	0 - 40
Neuropsychiatric/Sensory Disease	11	0	0 - 72	15	7	0 -100
Urologic Disease	28	7	0 - 86	21	0	0 - 83

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	86
Occupancy Rate (%):	56
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	25
Percent of Physicians Who Are Board Certified Specialists:	28
Interns and Residents:	0
Registered Nurses:	72
Licensed Practical Nurses:	22

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HOSPITAL ID: 360069

Fulton County HEALTH CENTER
725 South Shoop Avenue · Wauseon, Ohio 43567 · (419) 335-2015

William Roper, M.D.
Administrator
Health Care Financing Administration
Department of Health & Human Services
Washington, D.C. 20201

Re: HCFA Mortality Data

Dear Dr. Roper:

Review of the HCFA mortality information for Medicare patients indicated several discrepancies between our hospital data and the HCFA data.

1) Hospital characteristics from the AHA 1986 hospital survey included with the mortality data do not agree with the information that was reported by our facility (see below). The 1987 AHA hospital survey data reported by our facility has been included as an additional reference.

	HCFA report	FCHC reported	
	1986	1986	1987
Beds (#)	50	86	86
Occupancy Rate (%)	63	63	55
Ownership/Control	Private/Non-profit	Private/Non-profit	
Staffing:			
Total number of physicians	23	23	25
% of board certified	13	30	28
Interns/residents per bed	0	0	0
Registered nurses per bed	1.58	0.9	0.83
Licensed practical nurses/bed	0.60	0.35	0.26

2) Medicare discharges for 1987:
HCFA = 571
FCHC = 711 (961 total Medicare discharges less 250 patients with more than one discharge)

Difference = 140

3) Total Medicare deaths: HCFA = 61 (Inpatients - 46 After discharge - 15)
FCHC = 60 (Inpatients - 45 After discharge - 15)

The final number and type of deaths only indicates a difference of one patient death. Review of the HCFA information revealed that 2 patients were included in our data that had been transferred to another facility. According to the HCFA reporting information, these deaths should be attributed to another facility. Further review indicated that 1 patient death was omitted in the HCFA data and 1 patient's admission and discharge dates were incorrectly reported by HCFA. One death reported by HCFA should be disallowed. The patient was admitted and discharged in December, 1987 and died in January, 1988. Therefore, it meets the requirement for death within 30 days of discharge, however, the patient was admitted to our facility in 1988 and subsequently expired. This patient will be counted in our 1988 statistics as a death.

4) Overall mortality rate: HCFA - 10% (using HCFA data)
FCHC - 8% (using FCHC data)

According to the HCFA data, the mortality rate for FCHC falls within the range of predicted mortality for 12 of the diagnostic categories, is higher in 3 of the diagnostic categories and is lower in 2 of the diagnostic categories. Using the FCHC data does not change the final placement of mortality percentages in the diagnostic categories.

It must be noted that FCHC reviews 100% of the inpatient mortality for quality assurance purposes. Review of the inpatient mortalities and of those charts of patients that died within 30 days of discharge (according to HCFA data) indicated that 70% of these patients had a do-not-resuscitate order written either at the time of admission or at some point during their hospital stay.

In closing, it must be stressed that the HCFA data is not a reflection of the quality of care provided by a health care facility.

Thank you for the opportunity to respond to the HCFA mortality data.

Sincerely,

Patricia A Finn, RRA

Patricia A. Finn, R.R.A.
Director of Risk Management and Quality Assuranc

GALION COMMUNITY HOSPITAL

PORTLAND WAY SOUTH
GALION, OH 44833

Medicare Hospital Provider Number: 360194

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	696	8	9 - 14	720	11	9 - 14
Cancer	13	31	21 - 69	10	40	13 - 69
Cerebrovascular Accidents	35	34	16 - 48	32	13	14 - 40
Gastrointestinal Catastrophes	4	25	5 - 80	3	67	7 - 88
Infectious Disease	11	45	13 - 68	6	50	8 - 76
Metabolic/Electrolyte Disorders	3	0	0 - 97	4	0	3 - 72
Pulmonary Disease	48	19	12 - 36	51	29	16 - 43
Renal Failure	1	0	0 - 99	4	75	11 - 87
Severe Acute Heart Disease	27	15	26 - 55	35	40	20 - 53
Severe Chronic Heart Disease	57	14	14 - 34	39	33	12 - 42
Severe Trauma	1	100	1 - 97	1	0	0 - 98
Gastrointestinal Disease	71	0	1 - 8	70	1	1 - 11
Gynecologic Disease	5	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	80	2	1 - 11	95	2	1 - 10
Musculoskeletal/Skin Conditions	87	1	0 - 10	89	0	1 - 7
Neuropsychiatric/Sensory Disease	19	5	0 - 89	32	9	0 - 76
Urologic Disease	32	0	0 - 26	25	0	0 - 41

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	129
Occupancy Rate (%):	38
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	25
Percent of Physicians Who Are Board Certified Specialists:	68
Interns and Residents:	0
Registered Nurses:	62
Licensed Practical Nurses:	38

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

GEAUGA COMM HOSP

13207 RAVENNA RD
CHARDON, OH 44024

Medicare Hospital Provider Number: 360192

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	995	11	9 - 14	1,010	13	9 - 15
Cancer	21	43	22 - 64	29	38	27 - 63
Cerebrovascular Accidents	28	29	14 - 48	32	22	17 - 46
Gastrointestinal Catastrophes	4	75	6 - 81	6	33	12 - 78
Infectious Disease	9	44	10 - 69	9	33	9 - 67
Metabolic/Electrolyte Disorders	14	36	11 - 61	14	21	9 - 55
Pulmonary Disease	62	39	17 - 43	63	32	14 - 40
Renal Failure	1	100	2 - 97	5	60	11 - 86
Severe Acute Heart Disease	41	54	23 - 55	45	40	26 - 55
Severe Chronic Heart Disease	76	18	15 - 34	66	24	15 - 37
Severe Trauma	1	100	2 - 97	0	-	-
Gastrointestinal Disease	74	0	2 - 8	77	4	1 - 14
Gynecologic Disease	15	0	0 -100	11	0	0 -100
Low-Risk Heart Disease	127	4	1 - 10	114	4	1 - 11
Musculoskeletal/Skin Conditions	144	0	1 - 5	149	2	1 - 8
Neuropsychiatric/Sensory Disease	26	0	0 - 46	19	5	0 - 94
Urologic Disease	37	0	0 - 29	32	3	0 - 77

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	108
Occupancy Rate (%):	63
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	44
Percent of Physicians Who Are Board Certified Specialists:	68
Interns and Residents:	0
Registered Nurses:	108
Licensed Practical Nurses:	14

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

geauga hospital

THE GEAUGA HOSPITAL ASSOCIATION INC.

13207 RAVENNA RD. RTE. 44 • P.O. BOX 249 • CHARDON, OHIO 44024-0249 • PHONES: (216) 286-6131 - 946-4200 - 834-1811

September 28, 1982

TO WHOM IT MAY CONCERN:

In reference to the "MEDICARE HOSPITAL MORTALITY INFORMATION" form which our hospital recently received, I wish to make the changes indicated on the attached copy, that is, our number of beds is 125, not including basinettes.

Thank you for taking care of this matter for us.

Sincerely,

Margaret Pace

Margaret Pace, A.R.T.
Director, Medical Records

GOOD SAMARITAN HOSPITAL

3217 CLIFTON AVENUE
CINCINNATI, OH 45220

Medicare Hospital Provider Number: 360134

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,616	12	10 - 14	3,430	12	9 - 13
Cancer	115	43	32 - 54	105	35	29 - 52
Cerebrovascular Accidents	114	25	19 - 37	116	26	18 - 36
Gastrointestinal Catastrophes	29	34	20 - 58	22	45	16 - 59
Infectious Disease	48	48	24 - 55	27	41	18 - 57
Metabolic/Electrolyte Disorders	38	13	12 - 41	41	32	9 - 42
Pulmonary Disease	212	24	21 - 36	209	27	19 - 35
Renal Failure	37	19	16 - 63	34	29	17 - 67
Severe Acute Heart Disease	110	54	30 - 51	81	49	26 - 50
Severe Chronic Heart Disease	180	21	17 - 31	144	26	17 - 33
Severe Trauma	6	17	5 - 70	4	25	5 - 80
Gastrointestinal Disease	212	3	1 - 8	187	3	1 - 8
Gynecologic Disease	45	0	0 -100	37	0	0 - 85
Low-Risk Heart Disease	576	6	2 - 7	615	4	2 - 6
Musculoskeletal/Skin Conditions	374	1	1 - 4	381	2	1 - 5
Neuropsychiatric/Sensory Disease	136	2	1 - 9	115	0	0 - 6
Urologic Disease	126	3	0 - 11	122	2	1 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	719
Occupancy Rate (%):	80
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	408
Percent of Physicians Who Are Board Certified Specialists:	69
Interns and Residents:	63
Registered Nurses:	741
Licensed Practical Nurses:	91

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

Good Samaritan Hospital
3217 Clifton Avenue
Cincinnati, Ohio
45220-2489

Roger W. Weseli, FACHE
President
(513) 872 2255

October 12, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We would like you to include the following comments under the hospital-specific mortality information for Good Samaritan Hospital - Cincinnati when it is released in December:

"As regards the category 'Severe Acute Heart Disease,' detailed review of these 110 patients' records reveals an interesting insight into the final episode before death in patients with many diseases. Fifty nine (59) of the patients died. The overwhelming primary diseases leading to death were the following:

- Cancer - 9
- Renal Failure - 5
- Sepsis - 5
- Ruptured Aneurysm - 3
- Advanced Atherosclerotic Disease with Previous Myocardial Infarction, Cerebral Vascular Accident or Peripheral Gangrene - 39

"In addition, 11 who died were transferred from other acute care hospitals to this tertiary center because of the severity of their C-V collapse.

"Of the 59 who died, 35 had a myocardial infarction as a significant event in their terminal state. Seven (7) of these were 'no code' cases because of the advanced stages of their underlying illnesses (i.e. cancer, stroke, kidney failure, chronic lung disease, etc.).

Established in
1852 as St. John's
Hotel for Invalids,
this hospital is a
member of the
Sisters of Charity
Health Care
Systems, Inc.

Health Standards and Quality Bureau, HCFA

"The whole group supports the axion that almost all people have a cardiac arrest as the 'cause' of death, no matter what the basic disease causing death is and that the arrest is commonly associated with infarction.

"When grouped under one diagnostic category of 'severe acute heart disease' one can be easily led to a distorted view of the patient illnesses actually involved."

Very truly yours,

Roger W. Weseli

Roger W. Weseli, FACHE
President

RWW:gh

GOOD SAMARITAN HOSPITAL & HEALTH CNT

2222 PHILADELPHIA DR
DAYTON, OH 45406

Medicare Hospital Provider Number: 360052

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	4,362	10	9 - 13	4,351	10	10 - 13
Cancer	155	33	30 - 50	134	28	28 - 49
Cerebrovascular Accidents	128	23	19 - 35	122	20	18 - 34
Gastrointestinal Catastrophes	37	27	21 - 54	57	21	21 - 49
Infectious Disease	35	23	26 - 57	53	34	23 - 53
Metabolic/Electrolyte Disorders	69	23	17 - 43	69	25	13 - 40
Pulmonary Disease	177	29	20 - 37	166	22	18 - 35
Renal Failure	10	40	15 - 78	12	50	13 - 75
Severe Acute Heart Disease	176	36	28 - 45	223	31	31 - 46
Severe Chronic Heart Disease	216	25	18 - 31	215	22	17 - 30
Severe Trauma	10	40	8 - 66	10	10	6 - 56
Gastrointestinal Disease	293	4	1 - 7	275	3	1 - 7
Gynecologic Disease	39	3	0 -100	43	0	0 -100
Low-Risk Heart Disease	806	3	2 - 5	750	3	2 - 5
Musculoskeletal/Skin Conditions	382	2	1 - 5	368	2	1 - 5
Neuropsychiatric/Sensory Disease	192	0	1 - 5	201	1	0 - 6
Urologic Disease	178	2	0 - 8	178	2	0 - 8

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	560
Occupancy Rate (%):	73
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	265
Percent of Physicians Who Are Board Certified Specialists:	77
Interns and Residents:	70
Registered Nurses:	587
Licensed Practical Nurses:	119

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

GOOD SAMARITAN MEDICAL CENTER

800 FOREST AVE
ZANESVILLE, OH 43701

Medicare Hospital Provider Number: 360039

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,916	13	10 - 15	1,958	14	11 - 15
Cancer	95	44	27 - 51	88	35	27 - 51
Cerebrovascular Accidents	87	26	18 - 38	75	23	19 - 39
Gastrointestinal Catastrophes	15	47	14 - 63	17	29	14 - 59
Infectious Disease	36	25	18 - 50	30	27	18 - 53
Metabolic/Electrolyte Disorders	16	31	4 - 54	21	14	6 - 44
Pulmonary Disease	146	20	19 - 36	162	22	16 - 33
Renal Failure	3	67	11 - 93	4	50	12 - 91
Severe Acute Heart Disease	71	51	28 - 52	98	41	29 - 50
Severe Chronic Heart Disease	104	19	14 - 31	101	35	15 - 35
Severe Trauma	2	0	0 - 92	4	25	1 - 85
Gastrointestinal Disease	163	2	1 - 8	181	3	1 - 8
Gynecologic Disease	15	0	0 -100	20	0	0 -100
Low-Risk Heart Disease	167	4	1 - 9	170	3	1 - 8
Musculoskeletal/Skin Conditions	165	1	1 - 5	166	4	0 - 10
Neuropsychiatric/Sensory Disease	72	4	0 - 20	59	0	0 - 13
Urologic Disease	71	3	0 - 18	63	3	0 - 23

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	293
Occupancy Rate (%):	67
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	109
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	0
Registered Nurses:	191
Licensed Practical Nurses:	81

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	Yes

GRACE HOSP

2307 W 14TH ST
CLEVELAND, OH 44113

Medicare Hospital Provider Number: 360104

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	181	14	8 - 19	220	12	9 - 18
Cancer	4	50	8 - 84	3	33	4 - 86
Cerebrovascular Accidents	1	100	0 -100	2	50	2 - 92
Gastrointestinal Catastrophes	1	100	2 - 97	1	0	0 - 99
Infectious Disease	4	50	9 - 85	2	50	4 - 93
Metabolic/Electrolyte Disorders	1	100	0 -100	3	0	2 - 81
Pulmonary Disease	29	21	14 - 46	34	32	17 - 50
Renal Failure	1	100	0 - 97	2	50	2 - 92
Severe Acute Heart Disease	4	50	3 - 82	2	50	5 - 93
Severe Chronic Heart Disease	13	46	9 - 60	17	18	11 - 50
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	30	3	0 - 39	25	0	0 - 64
Gynecologic Disease	2	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	13	0	0 - 83	13	0	0 - 93
Musculoskeletal/Skin Conditions	11	0	0 - 98	18	0	0 - 86
Neuropsychiatric/Sensory Disease	2	0	0 -100	3	0	0 -100
Urologic Disease	9	0	0 -100	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	87
Occupancy Rate (%):	24
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	64
Percent of Physicians Who Are Board Certified Specialists:	56
Interns and Residents:	0
Registered Nurses:	27
Licensed Practical Nurses:	18

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

GRADY MEMORIAL HOSP

561 W CENTRAL AVE
DELAWARE, OH 43015

Medicare Hospital Provider Number: 360210

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	883	15	11 - 16	840	14	11 - 17
Cancer	22	45	24 - 65	23	52	22 - 63
Cerebrovascular Accidents	37	32	17 - 47	26	46	16 - 54
Gastrointestinal Catastrophes	7	43	7 - 73	6	33	6 - 74
Infectious Disease	6	33	10 - 76	8	38	11 - 72
Metabolic/Electrolyte Disorders	18	39	9 - 55	20	30	10 - 52
Pulmonary Disease	87	17	17 - 36	71	30	16 - 40
Renal Failure	3	33	12 - 94	7	71	22 - 90
Severe Acute Heart Disease	30	43	25 - 60	38	39	26 - 57
Severe Chronic Heart Disease	40	20	11 - 37	56	20	14 - 37
Severe Trauma	2	50	2 - 92	0	-	-
Gastrointestinal Disease	81	5	1 - 16	62	3	1 - 14
Gynecologic Disease	8	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	119	9	2 - 14	100	2	2 - 9
Musculoskeletal/Skin Conditions	76	3	1 - 12	76	1	1 - 10
Neuropsychiatric/Sensory Disease	24	8	0 - 97	32	0	1 - 17
Urologic Disease	25	4	0 - 53	33	0	1 - 18

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	117
Occupancy Rate (%):	43
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	69
Percent of Physicians Who Are Board Certified Specialists:	41
Interns and Residents:	0
Registered Nurses:	109
Licensed Practical Nurses:	11

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	Yes

GRANDVIEW HOSP

405 GRAND AVE
DAYTON, OH 45405

Medicare Hospital Provider Number: 360133

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,269	10	9 - 13	2,165	11	9 - 13
Cancer	78	32	27 - 51	70	43	28 - 54
Cerebrovascular Accidents	88	17	20 - 38	73	27	18 - 40
Gastrointestinal Catastrophes	17	24	12 - 55	26	23	13 - 50
Infectious Disease	24	33	20 - 59	32	41	23 - 59
Metabolic/Electrolyte Disorders	56	16	14 - 40	52	17	12 - 39
Pulmonary Disease	128	23	16 - 34	90	22	15 - 36
Renal Failure	14	7	14 - 63	7	14	5 - 71
Severe Acute Heart Disease	76	42	26 - 50	76	46	28 - 52
Severe Chronic Heart Disease	115	21	14 - 31	118	18	15 - 31
Severe Trauma	7	0	6 - 55	4	50	7 - 84
Gastrointestinal Disease	158	4	1 - 9	170	2	1 - 7
Gynecologic Disease	16	0	0 -100	19	0	0 -100
Low-Risk Heart Disease	339	2	2 - 6	276	3	1 - 6
Musculoskeletal/Skin Conditions	204	3	0 - 8	220	2	1 - 7
Neuropsychiatric/Sensory Disease	57	4	0 - 34	72	3	1 - 14
Urologic Disease	75	3	0 - 19	75	4	0 - 49

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 452
Occupancy Rate (%): 57
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 159
Percent of Physicians Who Are Board Certified Specialists: 62
Interns and Residents: 60
Registered Nurses: 402
Licensed Practical Nurses: 62

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

GRANDVIEW
Hospital and Medical Center

October 17, 1988

William Roper, M.D.
Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Medicare Provider Number: 360133

Dear Dr. Roper:

After review of 142 (60%) of the 237 expirations reported by HCFA for our facilities, a 13.4% (19 cases) error rate was detected in the accuracy of the data. While these errors do not appear to have a significant impact on the reported mortality rates and ranges, (see attachment) it does promote questions about the validity of mortality information in the Medicare data base in general.

Please consider the following comments as well, with respect to use of mortality data as an indicator of quality. The presence of comorbidities helps to identify those patients whose treatment is affected by multiple disease processes, but it does not adequately address the degree of severity of illness. This is particularly significant in light of the fact that an increasing segment of our population are elderly and when admitted, they demonstrate acute, serious illness usually concomitant with other underlying medical conditions which complicate their treatment and prognosis. Furthermore, out-of-pocket costs for the elderly have increased, and those who are not eligible for Medicaid and cannot afford the cost increases, may be foregoing needed medical attention. This, in the end, contributes to a more complex health status, an even greater severity of illness, and a less likely prospective for a positive outcome.

There are other factors which are equally important when evaluating mortality data. For instance, the socioeconomic conditions of the patient and the support systems available to them during the post-hospitalization period, discharge destination, occupation and so forth, all have an impact. Aside from medical and demographic patient data, the hospital's range of services, patient mix and teaching component require consideration in the development of an accurate mortality prediction model.

Finally, the inclusion of patients in the data base who were transferred from a nursing home, who refused treatment, who were admitted in the throes of cardio-pulmonary arrest, who were terminally ill and so forth, contributes to a misleading view of an institution's mortality rate. For example, 13% of 1987 mortalities for our facility presented to the hospital with either a principal diagnosis of metastatic carcinoma, or were admitted in respiratory/cardiac arrest with resuscitation measures in progress.

405 Grand Avenue Phone Member

In conclusion, these factors, along with changes in the coding and DRG systems, and the Federal government's evolving analytic methodologies for developing a mortality index, tend to compromise the validity of the data. The inconstancy of the variables that affect mortality, as well as our continually shifting socioeconomic patient population, constrain mortality statistics from being a serviceable index for quality of care.

Sincerely,

Ray Brazier,
Acting Chief Operating Officer

RB:sk

GRANT HOSPITAL

309 E STATE ST
COLUMBUS, OH 43215

Medicare Hospital Provider Number: 360017

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,881	10	10 - 14	3,214	11	9 - 13
Cancer	139	27	34 - 54	131	38	31 - 53
Cerebrovascular Accidents	75	28	17 - 39	87	22	17 - 36
Gastrointestinal Catastrophes	18	39	20 - 65	18	28	14 - 58
Infectious Disease	53	30	24 - 53	51	22	24 - 52
Metabolic/Electrolyte Disorders	38	21	13 - 45	52	29	14 - 44
Pulmonary Disease	119	29	18 - 37	122	25	16 - 35
Renal Failure	12	25	14 - 72	10	40	12 - 76
Severe Acute Heart Disease	92	25	28 - 48	105	37	29 - 49
Severe Chronic Heart Disease	115	17	16 - 31	140	22	15 - 31
Severe Trauma	2	0	3 - 88	9	56	6 - 68
Gastrointestinal Disease	173	3	2 - 8	196	4	1 - 8
Gynecologic Disease	11	0	0 -100	19	0	0 -100
Low-Risk Heart Disease	467	4	2 - 6	488	4	2 - 6
Musculoskeletal/Skin Conditions	163	7	0 - 13	215	3	1 - 7
Neuropsychiatric/Sensory Disease	368	1	0 - 5	422	2	0 - 5
Urologic Disease	100	0	0 - 8	88	0	1 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	393
Occupancy Rate (%):	79
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	675
Percent of Physicians Who Are Board Certified Specialists:	88
Interns and Residents:	40
Registered Nurses:	424
Licensed Practical Nurses:	63

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

Grant medical center

October 21, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Gentlemen:

Thank you for allowing us to respond to information intended for your December publication on Medicare Patient Mortality. We would like to emphasize our position that statistical analysis alone of mortality rates can not truly describe the actual quality of care delivered to a particular patient as it does not indicate the severity of the patient's illness. Hospitals who specialize in the care of patients with more complex cases will receive a higher number of cases where the severity and complexity of the patient's case will skew statistical results and not be comparable with the statistics of other facilities who only treat less complicated patients with similar diagnoses.

The Grant Medical Center serves as a tertiary care center for a number of specialties which include:

> Severely injured patients treated through Level I Trauma Program serviced by hospital sponsored emergency helicopter services.
>
> Cancer patients referred to Grant being treated with experimental National Cancer Institute protocols.
>
> Critically ill cardiovascular patients received from outlying hospitals who require advance cardiac technology and expertise.
>
> Patients with complex digestive disease disorders who are treated in our digestive disease center which focuses on the care of patients with unusual and complex diseases.

As an internal quality assurance mechanism at Grant Medical Center, every mortality case is reviewed by a peer group of physicians to assure that each patient received optimal care.

111 South Grant Avenue, Columbus, Ohio 43215 • (614) 461-3232

This mechanism monitors quality care and serves as an educational basis for the active morbidity and mortality conferences regularly conducted by the Medical Staff. We feel that this process is more accurate than reliance upon statistical indicators to monitor the quality of care received by our patients.

Again, thank you for this opportunity for input.

Sincerely,

William W. Wilkins

William W. Wilkins
President and Chief
Executive Officer

Larry Carey

Larry C. Carey
Director of Medical Affairs

clb

GREENE MEMORIAL HOSPITAL

ELLAND AND BETHESDA AVES
XENIA, OH 45385

Medicare Hospital Provider Number: 360026

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,146	14	9 - 14	1,035	15	10 - 15
Cancer	28	39	23 - 61	29	55	20 - 57
Cerebrovascular Accidents	42	36	14 - 44	47	19	18 - 42
Gastrointestinal Catastrophes	6	33	12 - 79	10	30	12 - 67
Infectious Disease	13	31	18 - 67	15	47	18 - 66
Metabolic/Electrolyte Disorders	16	25	9 - 55	16	19	6 - 50
Pulmonary Disease	86	35	14 - 37	60	33	14 - 40
Renal Failure	1	0	0 - 98	4	75	4 - 82
Severe Acute Heart Disease	41	49	25 - 56	40	50	23 - 55
Severe Chronic Heart Disease	66	35	12 - 36	80	27	13 - 34
Severe Trauma	2	50	1 - 93	1	0	1 - 97
Gastrointestinal Disease	86	5	0 - 16	69	7	0 - 26
Gynecologic Disease	12	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	129	5	1 - 11	129	6	1 - 13
Musculoskeletal/Skin Conditions	104	3	0 - 11	78	3	0 - 14
Neuropsychiatric/Sensory Disease	65	5	0 - 30	47	2	0 - 40
Urologic Disease	53	0	1 - 11	38	0	0 - 26

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	216
Occupancy Rate (%):	52
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	86
Percent of Physicians Who Are Board Certified Specialists:	73
Interns and Residents:	0
Registered Nurses:	127
Licensed Practical Nurses:	15

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

GMH

1141 N MONROE DRIVE XENIA OHIO 45385 Telephone 372-8011

GREENE
MEMORIAL
HOSPITAL,
INC

COMMENTS ON THE HCFA MORTALITY DATA

Greene Memorial Hospital, Xenia, Ohio

INTERPRETATIVE REMARKS

In all of the diagnostic categories, Greene Memorial Hospital's actual mortality rate falls within the range of the predicted mortality rate.

The mortality data released by the Health Care Financing Administration has the following limitations.

- Age was not a factor taken into consideration. The average age at GMH at the time of death of these Medicare patients was 78 years of age.

- Location of hospital was not a factor given consideration. GMH is the only hospital in Greene County. It has four large nursing homes within 1/4 mile radius.

- The data released is based solely on Medicare beneficiaries and cannot be generalized to the entire hospital patient population.

- The data does not take into effect the severity of illness at admission, or the anticipated outcome at the time of admission.

- The data attributes all deaths within 30 days of admission to the hospital. No consideration is actually given to the cause of death and if it was related to the patients hospitalization.

- The Health Care Financing Administration mortality rate indicates only what percentage of patients treated in a hospital died. The data does not indicate why a patient died and if the death could have been prevented.

According to the American Hospital Association, in a bulletin to hospitals from Carol M. McCarthy, Ph.D., JD, the following limitations were stated.

> "The statistical model developed by HCFA measures the relationship between a limited

> number of patient characteristics and the risk of death............In interpreting the data, you should keep two things in mind. First, the reliability of the model is unknown, but appears to be quite limited ....The model fails to consider a wide range of factors with a significant impact on mortality. Examples include, but are not limited to, the patient's general health status, the stage of the patient's illness, the patient's psychological condition, and family support.. ....The second, and more serious, limitation of the model is that it has not been validated..........The data to be released by HCFA raise important questions that they cannot answer................... The HCFA data are not, in themselves measures of hospital performance. At best, they can be used to better focus quality assurance activities. Under no circumstances should they be used as the basis for judging the quality of care provided by different hospitals."

DATA VERIFICATION

The data used by HCFA indicate that at total of 156 Medicare patients admitted to Greene Memorial Hospital died within thirty days of admission. Of these 110 died while still a patient of the hospital, while 46 died after discharge. Our own records indicate that 1,146 Medicare admissions occurred in 1987. We have no way of verifying whether the number of Medicare patients which died after discharge is correct, since information concerning death after discharge is not included in the patient's medical record.

Without detailed information concerning the billing data available to HCFA in computing the predicted mortality rate, it is impossible to verify the accuracy of the diagnostic or other data used in the analysis.

The address of GMH is incorrect. The correct address is 1141 N. Monroe Drive, Xenia, Ohio 45385.

GREENFIELD AREA MEDICAL CTR

545 SOUTH STREET
GREENFIELD, OH 45123

Medicare Hospital Provider Number: 360186

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	274	14	9 - 17	227	12	6 - 16
Cancer	5	20	10 - 77	1	100	3 - 99
Cerebrovascular Accidents	10	10	6 - 52	6	33	6 - 73
Gastrointestinal Catastrophes	1	100	2 -100	2	50	1 - 93
Infectious Disease	3	0	10 - 82	1	100	1 - 97
Metabolic/Electrolyte Disorders	11	18	3 - 57	8	25	3 - 66
Pulmonary Disease	11	18	9 - 57	16	38	6 - 54
Renal Failure	3	67	6 - 88	2	50	5 - 94
Severe Acute Heart Disease	16	50	12 - 58	3	33	3 - 86
Severe Chronic Heart Disease	22	36	10 - 50	14	21	8 - 52
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	19	11	0 - 54	18	0	0 - 59
Gynecologic Disease	4	0	0 -100	0	-	-
Low-Risk Heart Disease	47	4	0 - 25	32	3	0 - 29
Musculoskeletal/Skin Conditions	17	0	0 - 54	17	0	0 - 96
Neuropsychiatric/Sensory Disease	4	0	0 -100	13	8	0 -100
Urologic Disease	4	0	0 -100	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	46
Occupancy Rate (%):	44
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	40
Interns and Residents:	0
Registered Nurses:	21
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

GUERNSEY MEMORIAL HOSPITAL

1341 N CLARK STREET
CAMBRIDGE, OH 43725

Medicare Hospital Provider Number: 360203

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,373	13	11 - 16	1,408	15	12 - 17
Cancer	29	48	23 - 60	26	50	27 - 66
Cerebrovascular Accidents	57	11	17 - 36	63	21	17 - 39
Gastrointestinal Catastrophes	10	10	17 - 64	13	38	14 - 66
Infectious Disease	22	36	18 - 59	26	31	21 - 59
Metabolic/Electrolyte Disorders	22	41	8 - 52	21	10	9 - 42
Pulmonary Disease	148	27	18 - 36	179	27	21 - 38
Renal Failure	2	0	6 - 91	4	25	14 - 90
Severe Acute Heart Disease	64	39	25 - 50	77	44	29 - 53
Severe Chronic Heart Disease	76	20	15 - 34	68	22	14 - 36
Severe Trauma	2	50	1 - 92	1	100	0 - 97
Gastrointestinal Disease	107	2	1 - 9	120	2	1 - 8
Gynecologic Disease	11	0	0 -100	12	0	0 -100
Low-Risk Heart Disease	223	2	2 - 6	223	4	2 - 8
Musculoskeletal/Skin Conditions	76	0	1 - 8	74	3	1 - 13
Neuropsychiatric/Sensory Disease	24	4	0 - 35	32	3	0 - 59
Urologic Disease	62	0	0 - 15	60	0	0 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	202
Occupancy Rate (%):	51
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	37
Percent of Physicians Who Are Board Certified Specialists:	49
Interns and Residents:	0
Registered Nurses:	87
Licensed Practical Nurses:	67

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

H B MAGRUDER MEM HOSP

615 FULTON ST
PORT CLINTON, OH 43452

Medicare Hospital Provider Number: 360114

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	740	10	8 - 13	713	10	7 - 13
Cancer	10	60	12 - 68	12	25	19 - 68
Cerebrovascular Accidents	28	32	11 - 46	19	32	10 - 52
Gastrointestinal Catastrophes	1	0	0 - 99	4	50	2 - 83
Infectious Disease	10	0	11 - 48	6	83	15 - 76
Metabolic/Electrolyte Disorders	1	0	3 - 98	2	0	0 -100
Pulmonary Disease	43	23	13 - 40	31	23	11 - 42
Renal Failure	2	100	7 - 91	1	0	3 - 99
Severe Acute Heart Disease	37	35	23 - 54	35	37	23 - 55
Severe Chronic Heart Disease	31	19	11 - 41	32	13	14 - 39
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	73	3	0 - 14	63	3	1 - 14
Gynecologic Disease	12	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	104	3	1 - 10	111	4	1 - 11
Musculoskeletal/Skin Conditions	69	0	1 - 8	81	1	0 - 13
Neuropsychiatric/Sensory Disease	27	0	1 - 22	26	0	0 - 44
Urologic Disease	33	3	0 - 36	36	0	0 - 22

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 71
Occupancy Rate (%): 58
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 24
Percent of Physicians Who Are Board Certified Specialists: 54
Interns and Residents: 0
Registered Nurses: 44
Licensed Practical Nurses: 37

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

HARDIN MEM HOSP

921 E FRANKLIN STREET
KENTON, OH 43326

Medicare Hospital Provider Number: 360176

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	579	15	10 - 17	479	13	10 - 17
Cancer	14	43	15 - 64	11	55	15 - 69
Cerebrovascular Accidents	27	30	13 - 48	24	29	12 - 49
Gastrointestinal Catastrophes	6	83	14 - 76	5	60	6 - 78
Infectious Disease	17	18	14 - 54	11	27	14 - 66
Metabolic/Electrolyte Disorders	15	33	14 - 62	9	22	5 - 62
Pulmonary Disease	25	32	13 - 50	35	23	15 - 45
Renal Failure	9	67	19 - 83	5	80	11 - 82
Severe Acute Heart Disease	21	38	25 - 66	20	25	20 - 58
Severe Chronic Heart Disease	35	17	12 - 39	31	16	12 - 39
Severe Trauma	0	-	-	2	0	8 - 91
Gastrointestinal Disease	41	2	0 - 27	42	5	0 - 32
Gynecologic Disease	7	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	81	2	1 - 12	47	9	0 - 31
Musculoskeletal/Skin Conditions	35	3	0 - 54	36	3	0 - 40
Neuropsychiatric/Sensory Disease	3	33	0 -100	7	0	0 -100
Urologic Disease	35	0	0 - 53	27	0	0 - 69

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	51
Occupancy Rate (%):	49
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	20
Percent of Physicians Who Are Board Certified Specialists:	70
Interns and Residents:	0
Registered Nurses:	45
Licensed Practical Nurses:	12

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HARRISON COMMUNITY HOSPITAL

951 EAST MARKET STREET
CADIZ, OH 43907

Medicare Hospital Provider Number: 360231

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	295	14	10 - 19	394	18	11 - 19
Cancer	5	60	9 - 80	7	71	17 - 78
Cerebrovascular Accidents	17	18	14 - 52	22	41	17 - 57
Gastrointestinal Catastrophes	0	-	-	2	50	1 - 93
Infectious Disease	4	25	5 - 80	3	67	4 - 86
Metabolic/Electrolyte Disorders	11	9	10 - 54	12	25	10 - 60
Pulmonary Disease	24	38	17 - 56	36	22	13 - 43
Renal Failure	3	33	8 - 90	3	100	16 - 92
Severe Acute Heart Disease	12	50	15 - 67	18	44	19 - 63
Severe Chronic Heart Disease	15	27	5 - 52	21	5	11 - 36
Severe Trauma	1	0	0 - 98	1	0	1 - 97
Gastrointestinal Disease	28	4	0 - 35	30	10	0 - 41
Gynecologic Disease	5	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	42	0	1 - 12	64	0	1 - 8
Musculoskeletal/Skin Conditions	20	5	0 - 97	25	0	0 - 26
Neuropsychiatric/Sensory Disease	2	0	0 -100	2	0	0 -100
Urologic Disease	10	0	0 -100	14	7	0 - 74

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	50
Occupancy Rate (%):	70
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	16
Percent of Physicians Who Are Board Certified Specialists:	31
Interns and Residents:	0
Registered Nurses:	38
Licensed Practical Nurses:	11

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HENRY COUNTY HOSPITAL

11-600 STATE ROAD 424
NAPOLEON, OH 43545

Medicare Hospital Provider Number: 360165

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	282	17	9 - 18	298	16	10 - 19
Cancer	7	71	21 - 82	7	86	19 - 75
Cerebrovascular Accidents	13	38	11 - 61	15	40	12 - 59
Gastrointestinal Catastrophes	0	-	-	1	100	2 - 98
Infectious Disease	2	50	3 - 92	2	50	2 - 92
Metabolic/Electrolyte Disorders	8	50	3 - 70	5	20	3 - 74
Pulmonary Disease	17	41	10 - 56	25	32	14 - 51
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	16	38	23 - 68	16	56	22 - 68
Severe Chronic Heart Disease	13	31	9 - 57	13	23	14 - 60
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	14	7	0 - 97	24	4	0 - 77
Gynecologic Disease	4	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	29	3	0 - 50	28	4	0 - 54
Musculoskeletal/Skin Conditions	33	0	0 - 23	34	3	0 - 40
Neuropsychiatric/Sensory Disease	2	0	0 -100	6	17	0 -100
Urologic Disease	17	6	0 - 94	14	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	50
Occupancy Rate (%):	32
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	30
Percent of Physicians Who Are Board Certified Specialists:	73
Interns and Residents:	0
Registered Nurses:	30
Licensed Practical Nurses:	19

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HIGHLAND DISTRICT HOSP

1275 N HIGH ST
HILLSBORO, OH 45133

Medicare Hospital Provider Number: 360142

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	299	17	11 - 21	289	15	10 - 19
Cancer	12	58	18 - 70	10	60	12 - 68
Cerebrovascular Accidents	16	31	12 - 57	19	32	12 - 53
Gastrointestinal Catastrophes	1	0	2 - 97	1	0	1 - 97
Infectious Disease	2	50	2 - 92	2	0	2 - 88
Metabolic/Electrolyte Disorders	10	20	3 - 60	8	0	7 - 51
Pulmonary Disease	43	35	15 - 45	30	23	14 - 46
Renal Failure	1	0	2 - 97	3	67	12 - 95
Severe Acute Heart Disease	16	50	21 - 67	12	33	16 - 66
Severe Chronic Heart Disease	19	11	9 - 41	12	17	4 - 52
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	25	0	0 - 34	22	9	0 - 75
Gynecologic Disease	3	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	28	0	0 - 23	31	10	0 - 53
Musculoskeletal/Skin Conditions	14	0	0 - 93	23	4	0 - 77
Neuropsychiatric/Sensory Disease	7	0	0 -100	3	0	0 - 99
Urologic Disease	4	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	51
Occupancy Rate (%):	28
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	13
Percent of Physicians Who Are Board Certified Specialists:	62
Interns and Residents:	0
Registered Nurses:	24
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HILLCREST HOSPITAL

6780 MAYFIELD RD
MAYFIELD HEIGHTS, OH 44124

Medicare Hospital Provider Number: 360230

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,345	11	10 - 14	3,233	12	11 - 15
Cancer	122	46	32 - 54	115	43	30 - 53
Cerebrovascular Accidents	137	24	20 - 36	130	32	20 - 38
Gastrointestinal Catastrophes	33	45	24 - 61	26	35	18 - 57
Infectious Disease	23	30	19 - 58	28	25	23 - 58
Metabolic/Electrolyte Disorders	42	29	14 - 46	36	31	10 - 45
Pulmonary Disease	142	28	19 - 37	152	27	20 - 37
Renal Failure	10	30	10 - 72	10	50	15 - 79
Severe Acute Heart Disease	154	38	32 - 50	158	34	32 - 49
Severe Chronic Heart Disease	155	25	17 - 32	182	23	20 - 34
Severe Trauma	7	29	8 - 72	7	29	7 - 71
Gastrointestinal Disease	262	1	2 - 6	238	2	2 - 7
Gynecologic Disease	42	0	0 -100	48	2	0 -100
Low-Risk Heart Disease	366	3	2 - 6	359	4	2 - 7
Musculoskeletal/Skin Conditions	375	2	1 - 5	344	2	1 - 5
Neuropsychiatric/Sensory Disease	88	1	0 - 10	78	1	0 - 12
Urologic Disease	179	0	1 - 5	210	0	0 - 6

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 281
Occupancy Rate (%): 83
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 269
Percent of Physicians Who Are Board Certified Specialists: 86
Interns and Residents: 0
Registered Nurses: 296
Licensed Practical Nurses: 99

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

HOCKING VALLEY COMMUNITY HOSPITAL

STATE ROUTE 664N BOX966
LOGAN, OH 43138

Medicare Hospital Provider Number: 360106

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	510	15	10 - 17	529	16	11 - 18
Cancer	11	55	14 - 69	14	50	19 - 69
Cerebrovascular Accidents	27	26	12 - 45	17	24	8 - 50
Gastrointestinal Catastrophes	5	60	7 - 79	8	25	8 - 67
Infectious Disease	16	38	14 - 61	20	15	14 - 51
Metabolic/Electrolyte Disorders	7	29	3 - 70	5	20	1 - 78
Pulmonary Disease	50	24	13 - 39	53	26	14 - 40
Renal Failure	2	0	9 - 93	4	100	22 - 91
Severe Acute Heart Disease	24	63	18 - 56	33	52	27 - 61
Severe Chronic Heart Disease	26	15	13 - 43	43	21	13 - 39
Severe Trauma	1	0	0 - 99	0	-	-
Gastrointestinal Disease	56	2	1 - 15	54	2	0 - 16
Gynecologic Disease	6	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	55	9	0 - 30	59	7	0 - 25
Musculoskeletal/Skin Conditions	28	0	0 - 24	27	0	0 - 51
Neuropsychiatric/Sensory Disease	11	0	0 -100	10	0	0 -100
Urologic Disease	11	0	0 - 74	13	8	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	93
Occupancy Rate (%):	56
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	24
Percent of Physicians Who Are Board Certified Specialists:	50
Interns and Residents:	0
Registered Nurses:	32
Licensed Practical Nurses:	12

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HOLZER MEDICAL CENTER

385 JACKSON PIKE
GALLIPOLIS, OH 45631

Medicare Hospital Provider Number: 360054

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,738	13	11 - 16	1,807	11	11 - 16
Cancer	74	50	31 - 57	67	40	29 - 56
Cerebrovascular Accidents	49	14	17 - 39	66	21	19 - 41
Gastrointestinal Catastrophes	13	46	6 - 60	16	13	14 - 53
Infectious Disease	13	38	11 - 62	16	31	15 - 61
Metabolic/Electrolyte Disorders	47	32	14 - 46	71	18	17 - 42
Pulmonary Disease	129	26	19 - 37	131	19	15 - 32
Renal Failure	5	80	13 - 83	3	100	11 - 87
Severe Acute Heart Disease	80	31	27 - 49	98	36	28 - 49
Severe Chronic Heart Disease	74	30	14 - 36	80	25	15 - 35
Severe Trauma	1	0	1 - 97	3	0	6 - 80
Gastrointestinal Disease	142	2	1 - 8	151	3	1 - 9
Gynecologic Disease	11	0	0 -100	15	0	0 -100
Low-Risk Heart Disease	221	2	2 - 7	208	1	2 - 7
Musculoskeletal/Skin Conditions	139	2	1 - 8	131	4	1 - 10
Neuropsychiatric/Sensory Disease	34	3	0 - 26	50	4	0 - 22
Urologic Disease	77	0	0 - 11	95	3	0 - 14

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 269
Occupancy Rate (%): 47
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 55
Percent of Physicians Who Are Board Certified Specialists: 82
Interns and Residents: 0
Registered Nurses: 158
Licensed Practical Nurses: 49

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

HOLZER MEDICAL CENTER
385 JACKSON PIKE, GALLIPOLIS, OHIO 45631
CHARLES I. ADKINS, JR.
CHIEF EXECUTIVE OFFICER
(614) 446-5000

October 21, 1988

Mrs. Sandra Kappert
Health Standards & Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, MD 21207

Dear Mrs. Kappert:

Re: Comments on HCFA 1987 Mortality Data
Holzer Medical Center, Gallipolis, Ohio
Provider # 360054

By way of introduction and in response to HCFA Mortality Data, Holzer Medical Center is a 269 bed acute care Rural Referral Center located in Southeastern Ohio that services a diverse rural population from a 7 county area (5 counties in Southeastern Ohio and 2 counties in West Virginia). This population is served by a diverse, multi-specialty medical staff (84 members - 1988) and, in many aspects of medical care, Holzer Medical Center considers itself a sole community provider. In this regard, a Regional Cancer Center along with a linear accelerator have been established. With this basic introduction, Holzer Medical Center's comments on the HCFA Mortality Data follow:

Data Verification

Data provided by HCFA indicates that 217 out of 1,738 Medicare patients admitted to Holzer Medical Center during 1987 died within 30 days from admission. Holzer Medical Center statistics for the same time period reveal that 2,871 Medicare patients were admitted and of those 217 expired, for an overall mortality rate of 7.5%, not 13% as reported by HCFA. The disparity between HCFA's statistics and Holzer Medical Center's can be accounted for by the following reasons:

1. HCFA excluded patients with a length of stay greater than 30 days whereas Holzer Medical Center's statistics include this sub-group.

2. Only the last admission was included in HCFA's total Medicare study population, whereas Holzer Medical Center's statistics count all admissions which include multiple admissions on the same patient.

3. 31 of the 217 deceased patients reported expired after discharge. Thus, a person's demise after discharge could have been for any number of reasons and not necessarily related to the cause for admission.

In reviewing the Hospital Characteristics Section as reported by HCFA, Holzer Medical Center disagrees with the information that was presented. Specifically, the hospital bed size, the occupancy rate, total number of physicians, the percent of physicians who are board certified, registered nurses per bed ratio, and licensed practical nurses per bed ratio.

In a telephone conversation with a HCFA representative on October 19, 1988, Holzer Medical Center was informed that due to problems regarding the Hospital Characteristics Section, these statistics will be published in December using a different format. Thus, Holzer Medical Center will not have an opportunity to respond to the changes made prior to the December publication. However, the correct statistics are as follows:

Survey and Year: AHA 1986

Beds (#):	269
Occupancy Rate (%):	52
Ownership/Control:	Private, non-profit

Staffing:

Total number of physicians:	78
Percent of physicians who are Board Certified Specialists:	62
Interns and Residents per bed:	0.00
Registered Nurses per bed:	0.65
Licensed Practical Nurses per bed:	0.23

Specialty Services:

Shock/Trauma or Burn Unit:	No
Coronary Care Unit:	Yes
Organ Transplant Service:	No
Hospice Care:	No

Interpretive Remarks

HCFA Mortality Data has grouped Medicare admissions into 16 diagnostic and 1 miscellaneous categories. Holzer Medical Center did not exceed any of the upper limits for the predicted mortality ranges in the 17 diagnostic categories. Additionally, 95% of the patient deaths fell into high risk or miscellaneous categories, leaving only 5% of deaths in the low risk categories.

Result of Medical Record Review

Holzer Medical Center concurs with HCFA's reported deaths of 217. Contained within this analysis was a review of all records and it should be noted that all the "low risk" deaths had documented multiple co-morbidities and/or complications.

Further, a review of the "high risk" death records confirmed HCFA's statistics. These patients were indeed in the "high risk" category and also had multiple co-morbidities and/or complications.

Finally, one error was identified in the HCFA listing of deaths whereby the date of death was incorrect. Reference is made to Registration [redacted]. The correct date should read [redacted].

I trust the above review is sufficient to accompany Holzer Medical Center's published statistics.

Sincerely,

Thomas R. Childs, FACHE
Vice President for Professional Services

TRC/cb

HURON RD HOSP

13951 TERRACE RD
CLEVELAND, OH 44112

Medicare Hospital Provider Number: 360101

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,033	13	11 - 15	1,924	14	11 - 15
Cancer	55	35	32 - 60	60	38	27 - 55
Cerebrovascular Accidents	70	20	18 - 38	74	27	17 - 38
Gastrointestinal Catastrophes	9	44	13 - 73	8	13	7 - 62
Infectious Disease	34	44	18 - 54	29	48	22 - 60
Metabolic/Electrolyte Disorders	70	30	12 - 40	53	19	13 - 40
Pulmonary Disease	104	44	21 - 42	93	41	19 - 42
Renal Failure	10	0	10 - 60	8	25	8 - 74
Severe Acute Heart Disease	65	38	31 - 56	83	37	30 - 52
Severe Chronic Heart Disease	91	19	17 - 35	96	28	16 - 35
Severe Trauma	10	40	7 - 66	6	17	6 - 70
Gastrointestinal Disease	100	3	1 - 11	108	5	1 - 12
Gynecologic Disease	16	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	289	2	1 - 6	275	5	2 - 8
Musculoskeletal/Skin Conditions	173	5	2 - 9	157	1	1 - 6
Neuropsychiatric/Sensory Disease	55	2	0 - 27	58	2	0 - 32
Urologic Disease	76	5	0 - 20	83	0	0 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	303
Occupancy Rate (%):	73
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	152
Percent of Physicians Who Are Board Certified Specialists:	78
Interns and Residents:	39
Registered Nurses:	246
Licensed Practical Nurses:	106

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

JEWISH HOSP
3200 BURNET AVE
CINCINNATI, OH 45229

Medicare Hospital Provider Number: 360016

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,801	11	10 - 14	4,076	10	10 - 14
Cancer	137	39	30 - 51	165	42	31 - 52
Cerebrovascular Accidents	135	24	19 - 35	145	26	19 - 36
Gastrointestinal Catastrophes	30	33	24 - 61	43	40	20 - 54
Infectious Disease	55	35	22 - 51	35	43	23 - 59
Metabolic/Electrolyte Disorders	55	27	14 - 44	46	17	9 - 38
Pulmonary Disease	183	28	20 - 37	207	25	20 - 36
Renal Failure	11	55	15 - 77	18	39	19 - 75
Severe Acute Heart Disease	121	42	29 - 49	132	38	32 - 51
Severe Chronic Heart Disease	177	24	17 - 32	183	17	18 - 32
Severe Trauma	2	50	3 - 92	2	0	1 - 90
Gastrointestinal Disease	265	2	2 - 6	314	1	1 - 5
Gynecologic Disease	32	3	0 - 97	38	0	0 -100
Low-Risk Heart Disease	486	2	2 - 5	511	4	2 - 6
Musculoskeletal/Skin Conditions	372	2	1 - 5	367	1	1 - 4
Neuropsychiatric/Sensory Disease	133	1	1 - 7	159	3	0 - 10
Urologic Disease	138	3	0 - 12	154	1	0 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	604
Occupancy Rate (%):	57
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	442
Percent of Physicians Who Are Board Certified Specialists:	67
Interns and Residents:	33
Registered Nurses:	385
Licensed Practical Nurses:	84

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

Stanley L. Block, M.D.
Vice President for Medical Affairs
Professor of Psychiatry
University of Cincinnati
569-2325

October 5, 1988

William L. Roper, M.D.
Administrator
Health Care Financing Administration
Washington, D.C. 20201

Dear Dr. Roper:

Thank you for the opportunity to respond to your September 15, 1988 letter, regarding mortality information relative to The Jewish Hospital of Cincinnati, Inc.

After reviewing the data sent to us, we offer the following commentary:

1. The Total Number of Physicians (Active and Associate Staff) is 431 rather than 371 in your report.

2. The Percent of Physicians who are Board Certified Specialists (Active and Associate Staff) is 70% rather than 71%.

3. We do not understand the rationale for the bed count (432) upon which several other calculations are derived. We understand that the bed count used was 1984 data. At that time the hospital had 607 beds. Of these beds, Psychiatry had 42, Adolescent Psychiatry had 14, Obstetrics had 51, Rehabilitation had 29, the Medical ICU had 12, the Surgical ICU had 12, the Cardiac Care Unit had 12 and Open Heart Care had 3 beds. If all of the enumerated beds (a total of 175 beds) is deducted from our total complement of 607 beds, the remainder is 432 beds. The exclusion of the exempt units (Psychiatry, Adolescent Psychiatry and Rehabilitation) as well as the OB Unit seems reasonable to us. However, the exclusion of the Special Care Units which receive heavy utilization by Medicare recipients does not seem reasonable to us.

4. The Occupancy Rate (%) was 61% in 1984. However, this rate was based on our bed count of 607 beds, not 432 beds.

5. We are unable to comment on the Interns and Residents per bed or the Registered Nurses per bed or the Licensed Practical Nurses per bed until the determination of beds is agreed upon.

6. The data regarding Specialty Services is correct.

7. The information regarding Ownership Control is correct.

The Jewish Hospital
of Cincinnati, Inc.

8. Our records indicate that we had 411 Medicare deaths. You report 418 Medicare deaths. We are mindful that you report deaths within 30 days of the hospital admission. We attribute the variance (7 patients) to this fact.

9. We affirm that all reported patients were, in fact, patients of The Jewish Hospital.

10. We did a detailed analysis of deaths related to Renal Failure, Severe Chronic Heart Disease and Urologic Disease. Your report is accurate based upon our diagnosis codes.

Sincerely yours,

Stanley L. Block MD

Stanley L. Block, M.D.
Vice President, Medical Affairs

SLB/jt

JOEL POMERENE MEMORIAL HOSPITAL

500 WOOSTER ROAD
MILLERSBURG, OH 44654

Medicare Hospital Provider Number: 360148

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	303	16	7 - 16	324	17	8 - 17
Cancer	4	100	14 - 77	10	50	17 - 74
Cerebrovascular Accidents	15	40	7 - 56	17	47	13 - 58
Gastrointestinal Catastrophes	2	50	0 - 95	0	-	-
Infectious Disease	6	50	7 - 75	4	0	5 - 71
Metabolic/Electrolyte Disorders	3	0	1 - 85	4	75	4 - 80
Pulmonary Disease	24	29	8 - 46	36	44	7 - 42
Renal Failure	3	33	3 - 87	1	100	3 - 98
Severe Acute Heart Disease	12	50	14 - 66	14	7	21 - 55
Severe Chronic Heart Disease	21	24	8 - 45	20	25	6 - 46
Severe Trauma	0	-	-	1	0	0 -100
Gastrointestinal Disease	37	5	0 - 48	37	5	0 - 32
Gynecologic Disease	5	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	27	7	0 - 43	29	0	0 - 33
Musculoskeletal/Skin Conditions	22	5	0 - 92	14	7	0 - 99
Neuropsychiatric/Sensory Disease	11	0	0 -100	4	0	0 -100
Urologic Disease	10	0	0 -100	10	10	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	55
Occupancy Rate (%):	35
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	23
Percent of Physicians Who Are Board Certified Specialists:	70
Interns and Residents:	0
Registered Nurses:	35
Licensed Practical Nurses:	16

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

JOINT TOWNSHIP DIST MEMO HOSP

200 ST CLAIR ST
SAINT MARYS, OH 45885

Medicare Hospital Provider Number: 360032

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	786	11	11 - 17	772	11	10 - 15
Cancer	22	50	24 - 65	18	56	28 - 72
Cerebrovascular Accidents	29	41	14 - 50	20	40	11 - 53
Gastrointestinal Catastrophes	4	50	10 - 86	5	60	14 - 85
Infectious Disease	10	30	17 - 71	10	40	18 - 74
Metabolic/Electrolyte Disorders	28	0	12 - 35	19	26	12 - 54
Pulmonary Disease	47	17	18 - 42	46	24	14 - 41
Renal Failure	1	0	3 - 99	7	29	11 - 79
Severe Acute Heart Disease	31	23	27 - 58	19	32	20 - 61
Severe Chronic Heart Disease	60	18	14 - 36	55	22	13 - 37
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	84	1	1 - 9	66	8	1 - 20
Gynecologic Disease	13	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	88	2	1 - 10	117	3	2 - 10
Musculoskeletal/Skin Conditions	80	2	1 - 11	93	0	1 - 6
Neuropsychiatric/Sensory Disease	12	0	0 -100	12	0	0 - 96
Urologic Disease	35	6	0 - 37	38	0	0 - 33

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	95
Occupancy Rate (%):	65
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	38
Percent of Physicians Who Are Board Certified Specialists:	55
Interns and Residents:	0
Registered Nurses:	70
Licensed Practical Nurses:	20

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

KAISER FOUNDATION HOSP

12301 SNOW RD
PARMA, OH 44130

Medicare Hospital Provider Number: 360232

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	818	10	9 - 14	816	13	9 - 14
Cancer	33	39	24 - 59	50	52	27 - 57
Cerebrovascular Accidents	27	15	13 - 42	26	19	14 - 46
Gastrointestinal Catastrophes	2	0	6 - 90	6	50	5 - 75
Infectious Disease	11	18	11 - 59	8	38	6 - 68
Metabolic/Electrolyte Disorders	24	42	20 - 61	11	9	10 - 54
Pulmonary Disease	34	15	13 - 40	35	17	10 - 38
Renal Failure	8	50	12 - 79	1	0	2 - 97
Severe Acute Heart Disease	20	35	22 - 63	29	34	22 - 56
Severe Chronic Heart Disease	41	10	13 - 34	29	34	11 - 46
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	61	0	0 - 10	63	3	0 - 21
Gynecologic Disease	18	0	0 -100	23	0	0 -100
Low-Risk Heart Disease	94	2	1 - 10	110	2	1 - 9
Musculoskeletal/Skin Conditions	51	2	0 - 39	47	6	0 - 40
Neuropsychiatric/Sensory Disease	18	0	0 - 77	13	0	0 - 98
Urologic Disease	34	0	0 - 95	38	3	0 - 32

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	61
Occupancy Rate (%):	85
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	81
Percent of Physicians Who Are Board Certified Specialists:	53
Interns and Residents:	0
Registered Nurses:	61
Licensed Practical Nurses:	11

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Hospital ID 36-0232

Attachment I

KAISER PERMANENTE

October 21, 1988

Health Standards and Quality Bureau HCFA
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, Maryland 21207

Attn: Mrs. Sandra Kappert

Re: Medicare Hospital Mortality Information (1987)

Dear Mrs. Kappert:

The Kaiser Permanente Medical Care Program has a substantial and continuing involvement in the development and use of methods to adequately risk adjust outcomes of hospital care. Although we support the concept of providing consumers with information on this subject, the 1987 Medicare hospital mortality statistics are of limited value for this purpose. Despite some further improvements in the methods used to prepare these statistics, many problems remain.

One serious error in the HCFA mortality models is the failure to adjust for the diverse mortality rates of the principal diagnoses within a given diagnostic category. For example, "Severe Acute Heart Disease" includes both subendocardial infarcts and ruptured aortic aneurysms. The death rates for the latter typically average five times those for the former; nothing in the model adjusts for the mix of these cases by hospital.

The "Severe Trauma" category includes injuries which vary considerably in their death rates. Using chronic diseases comorbidities is of little value. It would have been far more appropriate to use various trauma-related diagnoses as risk predictors.

The "Cancer" diagnostic category is one of the most problematic. The stage of malignancy is a key prognostic risk factor, but HCFA uses none of the codes in its model which would help to distinguish stage. The risk model should favor cancer cases having scheduled surgery. HCFA has failed once again to omit cancer cases hospitalized in hospice services which have not sought Medicare approval. (Regulations require that a hospital bill be submitted for such cases even though no charges are made to Medicare.) Several Kaiser Foundation Hospitals with such hospice services had substantial numbers of these hospice cases included, with predictably high death rates.

Based on the binomial distribution, a 100% mortality rate can occur by chance over 2.5% of the time when a hospital has 1 or 2 cases in a diagnostic category with an expected probability of death of 20% (e.g., Severe Trauma) or has 1, 2, 3 or 4 cases in a category with an expected death rate of 40% (e.g., Renal Failure). Hospital deaths in these categories which exceed their predicted mortality range raise questions about HCFA's statistical tests.

We were unable to confirm any of the "Hospital Characteristics" reported for Kaiser Foundation Hospitals. Discussions with staff of the American Hospital Association have revealed that HCFA made numerous errors when cross-tabulating the Association's survey data (e.g., using imputed instead of reported values for the "percent of physicians who are Board Certified specialists"). For this reason there is little sense in preparing detailed revisions of these faulty data, which we assume will be corrected by HCFA at some future time.

Sincerely,

Aliene Linwood/ks

Aliene Linwood
Medical Center Administrator, Parma

AL/ks

KETTERING HOSP

546 N UNION ST
LOUDONVILLE, OH 44842

Medicare Hospital Provider Number: 360139

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	148	18	8 - 21	150	21	9 - 23
Cancer	2	100	1 - 89	2	100	9 - 92
Cerebrovascular Accidents	6	33	3 - 73	3	0	6 - 79
Gastrointestinal Catastrophes	4	25	7 - 82	3	33	1 - 89
Infectious Disease	4	50	2 - 82	0	-	-
Metabolic/Electrolyte Disorders	6	50	12 - 79	2	100	2 - 89
Pulmonary Disease	6	17	2 - 71	4	75	5 - 80
Renal Failure	0	-	-	2	100	3 - 89
Severe Acute Heart Disease	7	14	11 - 67	19	37	24 - 66
Severe Chronic Heart Disease	17	35	7 - 52	8	25	6 - 65
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	11	9	0 - 98	8	0	0 -100
Gynecologic Disease	1	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	12	0	0 - 72	15	7	0 - 84
Musculoskeletal/Skin Conditions	16	13	0 - 74	14	7	0 -100
Neuropsychiatric/Sensory Disease	2	0	0 -100	3	0	0 -100
Urologic Disease	10	10	0 -100	5	20	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	23
Occupancy Rate (%):	26
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	10
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

KETTERING MEDICAL CENTER

3535 SOUTHERN BOULEVARD
KETTERING, OH 45429

Medicare Hospital Provider Number: 360079

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	4,005	10	9 - 13	3,712	9	9 - 13
Cancer	128	38	29 - 50	117	33	32 - 54
Cerebrovascular Accidents	136	26	19 - 35	116	19	19 - 36
Gastrointestinal Catastrophes	37	24	21 - 54	20	20	18 - 58
Infectious Disease	21	43	21 - 63	20	35	22 - 65
Metabolic/Electrolyte Disorders	69	23	17 - 44	42	10	12 - 38
Pulmonary Disease	142	23	16 - 34	119	27	18 - 37
Renal Failure	11	18	16 - 73	6	67	16 - 86
Severe Acute Heart Disease	162	38	30 - 48	138	44	26 - 45
Severe Chronic Heart Disease	190	16	17 - 30	192	23	17 - 31
Severe Trauma	7	29	4 - 70	6	33	13 - 79
Gastrointestinal Disease	289	3	1 - 7	272	1	2 - 5
Gynecologic Disease	53	0	0 - 99	47	0	0 -100
Low-Risk Heart Disease	804	4	2 - 5	680	3	2 - 6
Musculoskeletal/Skin Conditions	380	2	1 - 5	353	1	1 - 4
Neuropsychiatric/Sensory Disease	178	1	1 - 7	191	1	1 - 6
Urologic Disease	155	1	0 - 8	174	2	0 - 8

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1985

Total Beds (#):	481
Ownership/Control:	Church

STAFFING

Interns and Residents:	60
Registered Nurses:	771
Licensed Practical Nurses:	64

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

KETTERING MEDICAL CENTER
3535 Southern Boulevard Kettering, Ohio 45429-1298 513 298-4331

October 19, 1988

William L. Roper, M.D.
Administrator
Healthcare Financing Administration
Health Standards and Quality Bureau
Hospital Mortality Information
P.O. Box 26684
Baltimore, Maryland 21207

RE: Medicare Hospital Mortality Information For 1987:
Kettering Medical Center 360079 and Sycamore Medical Center 360239

Dear Dr. Roper:

The staffing per bed figures for the two hospitals listed above are incorrect in the 1987 report.

It appears to me that this was caused by the fact that these two hospitals are combined for purposes of the American Hospital Association Annual Survey. So figures appearing in that survey show staffing combined for both hospitals. It appears that in the formula used to calculate staffing per bed these combined staffing figures were inserted and compared with the beds at the single hospital alone. This resulted in the Sycamore Hospital staffing being over stated in the HCFA report by four or five times.

In regard to the mortality figures themselves we continue to be concerned about the fact that intensity within certain categories may vary greatly from hospital to hospital in ways that are not accounted for by the current methodology.

Thank you again for sending the material ahead of time for our comments.

Sincerely,

Arthur Caviness
Vice President of Marketing & Planning

ARC:tls

Kettering Memorial Hospital Sycamore Hospital Kettering College of Medical Arts

KNOX COMM HOSP

117 E HIGH ST
MOUNT VERNON, OH 43050

Medicare Hospital Provider Number: 360040

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,082	13	9 - 14	1,092	14	9 - 14
Cancer	18	50	19 - 64	17	65	21 - 66
Cerebrovascular Accidents	57	25	17 - 41	44	32	13 - 42
Gastrointestinal Catastrophes	5	40	13 - 84	6	67	6 - 74
Infectious Disease	11	55	10 - 65	4	50	4 - 82
Metabolic/Electrolyte Disorders	20	30	10 - 53	22	23	12 - 50
Pulmonary Disease	73	18	14 - 34	84	20	14 - 34
Renal Failure	3	0	4 - 81	5	60	9 - 84
Severe Acute Heart Disease	60	42	28 - 54	56	45	26 - 53
Severe Chronic Heart Disease	51	22	13 - 37	61	33	10 - 35
Severe Trauma	1	0	1 - 97	0	-	-
Gastrointestinal Disease	111	5	1 - 13	76	4	0 - 16
Gynecologic Disease	15	0	0 -100	11	0	0 -100
Low-Risk Heart Disease	156	5	1 - 10	152	5	1 - 10
Musculoskeletal/Skin Conditions	77	5	0 - 25	94	5	0 - 17
Neuropsychiatric/Sensory Disease	27	0	0 - 72	23	0	0 - 66
Urologic Disease	66	3	0 - 43	78	3	0 - 17

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	166
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	754
Licensed Practical Nurses:	208

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

KCH KNOX COMMUNITY HOSPITAL

1330 COSHOCTON ROAD • MOUNT VERNON, OHIO 43050 • TELEPHONE 614/393-9000

October 18, 1988

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building 2-D-2
Baltimore, MD 21207

Mrs. Kappert:

This letter is submitted in response to the 1987 Hospital Mortality Information received from HCFA.

Knox Community Hospital is a one hundred fifty-three bed acute care hospital serving rural Knox County in Central Ohio. We are proud of our record in promoting and delivering one level of high quality health care. Mortality review at KCH includes all hospital deaths to determine quality and appropriateness of treatment, but, as such, is only one component of our Quality Assurance program and cannot be considered a total indicator of quality of care.

Knox Community Hospital mortality rates for 1986-1987 as published by the HCFA study are well within predictable ranges for the categories listed. The statistics are felt to accurately reflect the total Medicare population and death rate. The primary discrepancy on analysis is with a discharge date in a single case. The average age of the patients who died was 82 years, and of those who died from pneumonia or chronic heart disease after discharge, many had documentation of poor prognosis and/or no resuscitation orders on admission to extended care facilities. Where a rate fell below expected totals, i.e., trauma, neuropsychiatric, this data indicates a transfer to a tertiary facility offering specialized treatment.

We congratulate you on undertaking a project of this magnitude and appreciate the opportunity to respond. As the procedure is refined, the indications for its use will enhance mortality review as a means of identifying areas for education and peer review. We will continue to monitor mortality information as an important aspect of our Quality Assurance program.

Sincerely,

Margaret A. Penkhus

Margaret A. Penkhus, R.N.
Quality Assurance Director

cc: R. Schmelter, Administrator

MP/ds

LAKE HOSPITAL SYSTEM INC

71 E HIGH ST
PAINESVILLE, OH 44077

Medicare Hospital Provider Number: 360098

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,840	15	11 - 15	2,822	13	11 - 15
Cancer	112	45	32 - 54	116	36	31 - 54
Cerebrovascular Accidents	135	28	19 - 36	130	31	19 - 37
Gastrointestinal Catastrophes	26	23	22 - 59	37	38	17 - 52
Infectious Disease	31	42	20 - 57	25	28	20 - 58
Metabolic/Electrolyte Disorders	47	23	16 - 46	54	20	14 - 41
Pulmonary Disease	155	27	18 - 35	179	22	17 - 33
Renal Failure	7	57	19 - 88	4	0	11 - 79
Severe Acute Heart Disease	95	34	26 - 47	127	31	28 - 47
Severe Chronic Heart Disease	207	25	16 - 30	182	25	17 - 32
Severe Trauma	3	33	4 - 86	4	25	6 - 81
Gastrointestinal Disease	238	3	2 - 7	202	3	1 - 7
Gynecologic Disease	26	0	0 -100	23	0	0 - 84
Low-Risk Heart Disease	316	3	2 - 7	311	1	2 - 5
Musculoskeletal/Skin Conditions	221	4	1 - 8	261	3	1 - 7
Neuropsychiatric/Sensory Disease	56	7	0 - 30	56	4	0 - 21
Urologic Disease	117	3	0 - 18	122	0	0 - 6

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	359
Occupancy Rate (%):	47
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	172
Percent of Physicians Who Are Board Certified Specialists:	56
Interns and Residents:	0
Registered Nurses:	215
Licensed Practical Nurses:	77

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

36000 EUCLID AVENUE
WILLOUGHBY, OHIO 44094
(216) 953-2600

LAKE
WEST
HOSPITAL

LAKE
HOSPITAL
SYSTEM, INC.

LAKE
EAST
HOSPITAL

WASHINGTON AT LIBERTY
PAINESVILLE, OHIO 44077
(216) 354-2400 [illegible]

October 13, 1988

Health Standards & Quality Bureau, HCFA Medicare No. 360098
Attn: Mrs. Sandra Kappert
2-D-2 Meadows East Bldg.
6325 Security Boulevard
Baltimore, MD. 21207

Dear Mrs. Kappert:

Thank you for affording our hospital the opportunity to comment on the 1987 Medicare mortality data scheduled for public release in December. We are a 360 bed general acute care, not - for - profit two - hospital system with a strong commitment to providing high quality patient care to the residents of Lake County and its surrounding area. We at Lake Hospitals are gratified that our mortality rates were within the predicted ranges in all categories, especially since we have extensive programs in cardiology, neurosurgery and hospice. In fact, when hospice deaths are removed from the cancer category our rate dropped to below your predicted range.

This data, and mortality review in general, is a useful tool in hospital quality assurance activities and is a component of the quality assurance program here. However, it is important for those using this data to understand that a meaningful assessment of hospital and physician performance is dependent on many variables and requires the analysis of many quality indicators, of which mortality is but one. In our quality assurance program there are literally scores of quality indicators and screens monitored continually in this effort. Readers should also be aware that since there is no severity of illness component to this statistical model, comparison of hospital rates will not yield a reliable measurement of quality.

In conclusion, I applaud your efforts to inform the public regarding health care quality issues, but have serious concerns regarding the potential for misinterpretation of this data.

Sincerely,

Thomas V. Thompson

Thomas V. Thompson, R.R.A.,Director
Medical Records & Quality Assurance

TVT/srh

LAKEWOOD HOSP

14519 DETROIT AVE
LAKEWOOD, OH 44107

Medicare Hospital Provider Number: 360212

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,926	10	10 - 14	2,849	10	10 - 14
Cancer	98	44	32 - 56	97	46	31 - 55
Cerebrovascular Accidents	97	23	21 - 39	104	27	19 - 38
Gastrointestinal Catastrophes	13	38	12 - 64	13	46	13 - 65
Infectious Disease	15	27	20 - 66	20	15	23 - 59
Metabolic/Electrolyte Disorders	36	22	10 - 43	29	14	11 - 43
Pulmonary Disease	125	15	19 - 35	128	19	18 - 36
Renal Failure	3	33	8 - 90	7	43	11 - 80
Severe Acute Heart Disease	113	35	30 - 50	102	37	31 - 52
Severe Chronic Heart Disease	206	28	18 - 32	184	21	18 - 32
Severe Trauma	3	33	4 - 86	6	17	5 - 70
Gastrointestinal Disease	193	3	2 - 8	188	5	1 - 9
Gynecologic Disease	24	0	0 - 99	18	0	0 -100
Low-Risk Heart Disease	410	2	2 - 6	388	2	2 - 5
Musculoskeletal/Skin Conditions	326	2	1 - 6	338	3	1 - 6
Neuropsychiatric/Sensory Disease	109	1	1 - 8	124	0	1 - 6
Urologic Disease	108	1	0 - 10	104	0	0 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	295
Occupancy Rate (%):	70
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	134
Percent of Physicians Who Are Board Certified Specialists:	69
Interns and Residents:	0
Registered Nurses:	328
Licensed Practical Nurses:	84

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

LAKEWOOD HOSPITAL
14519 Detroit Avenue, Lakewood, Ohio 44107-4383 (216) 521-4200

Lakewood Hospital continues to support the concept that patients and their family members make well informed decisions regarding their health care and that such decisions be based on careful consideration of accurate valid information. The Hospital appreciates the opportunity to comment on the HCFA 1987 Medicare Mortality Report and suggests strong consideration be given to the inclusion of a clinically based severity of illness methodology and weighted cognizance of the presence of significant underlying illness in improving the validity of subsequent reports. It is encouraging to see that the statistical model has been refined to treat age as a continuous variable which should help alleviate the effects noted by Lakewood Hospital and other hospitals with a high concentration of elderly patients.

The data reported by HCFA has been reviewed and verified with regard to the actual numbers, names and principle diagnoses of Medicare patients dying within 30 days of admission. Of the 290 deaths, 60 patients died following discharge.

Defining quality in healthcare remains elusive. Mortality data alone do not serve as indicators of "high quality" or "low quality" care. Mortality rates may be higher or lower than predicted because patients treated at a given hospital may differ markedly from those treated at an average hospital. Patients with the same illness are not equally sick. Chances for recovery can be influenced by factors that go far beyond the specific care provided by a doctor or hospital. Hospitals with higher intensity levels of service such as neurosurgery, cardiac surgery, trauma care, and oncology would tend to rate much worse than hospitals not providing treatment for serious medical problems - regardless of its medical staff.

Lakewood Hospital differentiates from the "average" community hospital in several ways.

° Resources in the Lakewood area include a large number of nursing homes which are sources for transfers of acutely ill elderly patients with chronic debilitating conditions, for whom death is a high likelihood.

° The presence of a highly sophisticated medical and surgical cardiac service accounts for the admissions of many patients with complex and severe cardiac disease.

° A dedicated cancer unit and cancer specialists explain the admission of large numbers of terminally ill cancer victims.

° Lakewood Hospital operates a fully certified Paramedic staffed ambulance service bringing the critically ill and severely injured to its highly skilled Emergency Department.

- The Hospital has a reputation among Western Metropolitan Cleveland physicians of having the finest group of in-house critical care intensivist physicians, resulting in the preferential admission of more severely ill patients.

- A multi-speciality health care approach to problems of the elderly has been developed at the Hospital. As a result, geriatric patients with multiple healthcare problems are frequently admitted.

- Finally, Lakewood Hospital has achieved community recognition for having a distinctive competence in caring for the critically ill patient and the elderly patient.

Analysis of the records revealed significant information which was not considered by HCFA in determining the Predicted Mortality rates.

- In the case of some patients whose disease had reached end stage, the patient and family agreed that no heroic measures should be undertaken in their hospital care. As an example, 42 of the 57 deaths due to severe chronic heart disease were on terminal care.

- There were a total of 268 co-morbid conditions for 57 patients in the severe chronic heart disease category for an average of 4.7 co-morbid conditions per patient. A Severity of Illness weighting system would provide additional comparative information regarding the acuity of illness.

- There was 1 trauma death with a patient involved in a MVA and transferred from another county at the family's request. This patient had bilateral intracerebral hemorrhage and never regained consciousness.

The quality of care provided at Lakewood Hospital is the utmost concern to the Board of Trustees, Administration, Medical Staff, and employees. Lakewood Hospital is fully accredited by the Joint Commission on Accreditation of Healthcare Organizations. An extensive Quality Assurance Program exists which monitors patient care and reviews every indication of a potential quality problem. The Quality Assurance Program includes a comprehensive and systematic review and evaluation of the quality of care provided in compliance with the JCAHO standards. The program encompasses continuous monitoring and evaluation of high risk and frequently performed diagnostic and therapeutic procedures. Information such as that contained in the Mortality report receives strong emphasis throughout this process.

Fred M. DeGrandis
Vice President/Legal Counsel

LANCASTER-FAIRFIELD CTY HOSP

401 N EWING ST
LANCASTER, OH 43130

Medicare Hospital Provider Number: 360072

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,682	13	11 - 16	1,781	13	10 - 15
Cancer	54	37	24 - 53	43	30	24 - 54
Cerebrovascular Accidents	89	28	19 - 39	82	28	17 - 38
Gastrointestinal Catastrophes	13	38	11 - 62	21	29	18 - 59
Infectious Disease	29	38	20 - 57	22	45	14 - 56
Metabolic/Electrolyte Disorders	24	8	9 - 40	20	25	12 - 53
Pulmonary Disease	126	17	18 - 34	144	24	16 - 34
Renal Failure	15	67	20 - 76	7	57	17 - 86
Severe Acute Heart Disease	92	38	30 - 52	80	40	29 - 52
Severe Chronic Heart Disease	95	19	15 - 32	105	25	16 - 34
Severe Trauma	3	67	5 - 87	1	0	0 - 98
Gastrointestinal Disease	120	5	1 - 12	140	3	1 - 9
Gynecologic Disease	20	0	0 -100	27	0	0 -100
Low-Risk Heart Disease	171	2	1 - 7	190	4	1 - 8
Musculoskeletal/Skin Conditions	131	5	1 - 12	163	3	1 - 8
Neuropsychiatric/Sensory Disease	45	2	0 - 25	58	3	0 - 28
Urologic Disease	71	3	0 - 26	99	3	0 - 21

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	177
Occupancy Rate (%):	54
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	60
Percent of Physicians Who Are Board Certified Specialists:	80
Interns and Residents:	0
Registered Nurses:	156
Licensed Practical Nurses:	14

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

LAWRENCE CO GEN HOSP

2228 S NINTH ST
IRONTON, OH 45638

Medicare Hospital Provider Number: 360007

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	770	11	9 - 15	780	12	9 - 15
Cancer	13	23	11 - 58	9	67	14 - 71
Cerebrovascular Accidents	27	26	12 - 46	27	52	15 - 52
Gastrointestinal Catastrophes	1	0	0 - 99	2	50	1 - 93
Infectious Disease	11	55	13 - 68	13	38	10 - 62
Metabolic/Electrolyte Disorders	14	29	3 - 56	23	4	8 - 37
Pulmonary Disease	17	24	14 - 55	33	30	10 - 43
Renal Failure	1	0	3 - 98	3	33	10 - 92
Severe Acute Heart Disease	51	31	25 - 52	45	47	30 - 59
Severe Chronic Heart Disease	43	26	13 - 40	33	33	10 - 43
Severe Trauma	0	-	-	1	0	1 - 97
Gastrointestinal Disease	56	0	1 - 10	70	1	1 - 12
Gynecologic Disease	5	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	133	3	1 - 9	116	1	2 - 7
Musculoskeletal/Skin Conditions	59	3	0 - 21	69	0	0 - 11
Neuropsychiatric/Sensory Disease	19	0	0 - 40	6	0	0 -100
Urologic Disease	29	0	0 - 48	24	4	0 - 74

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	117
Occupancy Rate (%):	51
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LICKING MEMORIAL HOSP

1320 W MAIN ST
NEWARK, OH 43055

Medicare Hospital Provider Number: 360218

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,957	13	9 - 14	2,152	13	10 - 14
Cancer	61	38	26 - 53	47	53	24 - 55
Cerebrovascular Accidents	79	24	16 - 37	86	34	18 - 39
Gastrointestinal Catastrophes	15	60	16 - 65	17	35	15 - 61
Infectious Disease	17	41	10 - 57	16	38	15 - 62
Metabolic/Electrolyte Disorders	21	33	12 - 55	54	15	10 - 37
Pulmonary Disease	105	18	15 - 33	99	19	15 - 34
Renal Failure	5	20	10 - 81	7	43	15 - 84
Severe Acute Heart Disease	103	43	27 - 48	139	40	30 - 48
Severe Chronic Heart Disease	93	28	14 - 34	88	23	14 - 33
Severe Trauma	0	-	-	2	50	5 - 94
Gastrointestinal Disease	173	5	1 - 10	197	3	1 - 8
Gynecologic Disease	17	0	0 -100	26	0	0 -100
Low-Risk Heart Disease	241	4	1 - 7	245	5	1 - 8
Musculoskeletal/Skin Conditions	145	2	1 - 8	177	6	1 - 10
Neuropsychiatric/Sensory Disease	36	0	0 - 24	50	4	0 - 36
Urologic Disease	103	1	0 - 13	97	4	0 - 36

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	192
Occupancy Rate (%):	64
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	104
Percent of Physicians Who Are Board Certified Specialists:	59
Interns and Residents:	0
Registered Nurses:	195
Licensed Practical Nurses:	25

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

LIMA MEM HOSP
1001 BELLEFONTAINE AVENUE
LIMA, OH 45804

Medicare Hospital Provider Number: 360009

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,622	10	10 - 14	2,468	10	10 - 14
Cancer	84	39	32 - 56	99	43	29 - 53
Cerebrovascular Accidents	107	18	19 - 36	93	24	17 - 36
Gastrointestinal Catastrophes	21	43	15 - 59	17	18	16 - 56
Infectious Disease	23	39	16 - 57	18	33	18 - 62
Metabolic/Electrolyte Disorders	44	20	16 - 45	30	33	16 - 53
Pulmonary Disease	112	23	16 - 35	133	16	15 - 32
Renal Failure	9	67	15 - 79	18	11	18 - 68
Severe Acute Heart Disease	102	33	27 - 48	80	41	27 - 50
Severe Chronic Heart Disease	136	19	17 - 32	147	22	18 - 33
Severe Trauma	4	25	3 - 80	5	20	4 - 75
Gastrointestinal Disease	194	2	1 - 7	183	2	1 - 7
Gynecologic Disease	32	0	0 -100	30	0	0 -100
Low-Risk Heart Disease	388	2	2 - 5	326	1	2 - 6
Musculoskeletal/Skin Conditions	318	3	1 - 6	314	3	1 - 6
Neuropsychiatric/Sensory Disease	60	0	0 - 11	66	3	0 - 23
Urologic Disease	85	4	0 - 18	78	1	0 - 16

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	300
Occupancy Rate (%):	64
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	215
Percent of Physicians Who Are Board Certified Specialists:	59
Interns and Residents:	0
Registered Nurses:	327
Licensed Practical Nurses:	30

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

LODI COMM HOSP

225 ELYRIA ST
LODI, OH 44254

Medicare Hospital Provider Number: 360188

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	240	11	8 - 16	231	9	8 - 17
Cancer	6	83	22 - 82	5	100	21 - 77
Cerebrovascular Accidents	5	20	4 - 73	6	17	12 - 73
Gastrointestinal Catastrophes	1	0	1 - 97	1	0	3 -100
Infectious Disease	1	100	1 - 97	1	0	0 - 98
Metabolic/Electrolyte Disorders	5	20	3 - 75	2	0	0 - 92
Pulmonary Disease	14	21	10 - 55	6	50	2 - 75
Renal Failure	3	67	10 - 92	1	100	1 - 97
Severe Acute Heart Disease	8	50	14 - 74	14	14	23 - 62
Severe Chronic Heart Disease	17	0	10 - 33	22	14	11 - 43
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	36	3	0 - 29	30	0	0 - 20
Gynecologic Disease	11	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	40	5	0 - 27	37	3	1 - 19
Musculoskeletal/Skin Conditions	15	0	0 - 97	18	0	0 - 97
Neuropsychiatric/Sensory Disease	4	0	0 -100	3	0	0 -100
Urologic Disease	14	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	30
Occupancy Rate (%):	43
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	15
Percent of Physicians Who Are Board Certified Specialists:	53
Interns and Residents:	0
Registered Nurses:	19
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LORAIN COMMUNITY HOSPITAL

3700 KOLBE ROAD
LORAIN, OH 44052

Medicare Hospital Provider Number: 360172

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,400	10	9 - 14	1,422	10	9 - 14
Cancer	31	26	29 - 62	38	37	25 - 57
Cerebrovascular Accidents	61	21	18 - 40	63	19	18 - 39
Gastrointestinal Catastrophes	6	33	10 - 77	11	36	11 - 65
Infectious Disease	21	38	20 - 62	10	30	18 - 72
Metabolic/Electrolyte Disorders	15	27	9 - 56	11	18	9 - 58
Pulmonary Disease	80	26	17 - 39	70	16	14 - 34
Renal Failure	4	25	11 - 87	4	75	12 - 88
Severe Acute Heart Disease	31	52	24 - 59	42	43	26 - 56
Severe Chronic Heart Disease	56	23	14 - 37	66	27	13 - 36
Severe Trauma	2	0	2 - 88	2	0	2 - 89
Gastrointestinal Disease	86	7	0 - 18	85	2	1 - 12
Gynecologic Disease	7	0	0 -100	14	7	0 -100
Low-Risk Heart Disease	150	1	2 - 7	162	2	2 - 7
Musculoskeletal/Skin Conditions	192	2	1 - 6	167	2	1 - 7
Neuropsychiatric/Sensory Disease	60	2	0 - 18	70	1	0 - 15
Urologic Disease	53	4	0 - 29	66	0	0 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

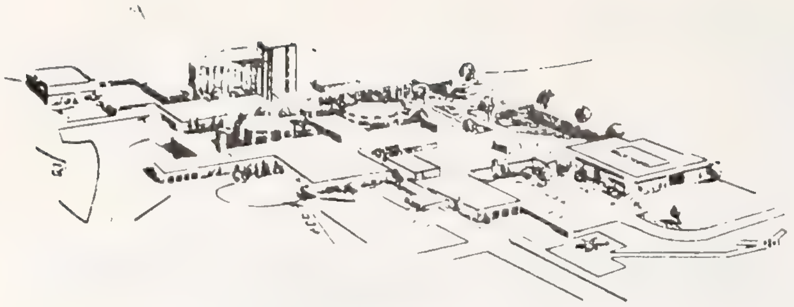
Total Beds (#):	274
Occupancy Rate (%):	63
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	125
Percent of Physicians Who Are Board Certified Specialists:	78
Interns and Residents:	0
Registered Nurses:	235
Licensed Practical Nurses:	63

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No



LORAIN
COMMUNITY HOSPITAL

3700 Kolbe Road
Lorain, Ohio 44053-1697
Phone (216) 282-9121

October 20, 1988

Health Care Financing Administration
Health Standards & Quality Review
ATTN: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Re: Medicare Provider #36-0172

Dear Mrs. Kappert:

We wish to offer the following comments on HCFA's 1987 mortality data.

DATA VERIFICATION

1. The data from HCFA attributes 1,400 Medicare admissions to Lorain Community Hospital during 1987, while our inhouse statistics reveal 2,808 Medicare admissions in 1987. Presumably, the discrepancy reflects a difference in the way the admissions were counted; HCFA only counted a patient's last admission during 1987, while the hospital statistics reflect all admissions during the year. We cannot verify if HCFA's admission number is correct, as we do not have access to a patient's admission history at other facilities.

2. The data received from HCFA indicates that a total of 140 Medicare patients admitted to Lorain Community Hospital died within 30 days of admission, 99 of which died while an inpatient, and 41 died after discharge. Our records indicated that 100 patients died while hospitalized; one patient that was listed as expired 3 weeks after discharge actually died in the hospital. It is impossible to verify the other 40 cases that reportedly died after admission, as this information is not included in the patient's medical record. Our records indicate that most of these patients were discharged with continuing medical care; 12 were discharged to skilled nursing facilities, 11 went to intermediate care facilities, 5 went home with Home Health services, and 2 were transferred to other facilities.

3. Of those cases that expired in the hospital, 5 had incorrect ages. (Attachment A).

4. The information from the American Hospital Association's 1986 Annual Survey of Hospitals was not accurately reported. The Medicare Mortality Information (1987) reported 134 beds for Lorain Community Hospital. These are only the medical/surgical beds. In total, Lorain Community Hospital had 286 "staffed" beds and 343 licensed beds according to AHA's report. It appears that the 286 beds were used to determine the occupancy rate as 286 beds multiplied by 365 days, divided by the reported 65605 patient days equals 63.8%

continued...

Following the same logic, if the 134 med/surg beds had been used, the occupancy rate (134x365/33200) would have been 67.9%. Thus, the 286 should have been stated as the number of staffed beds.

The percentage of board certified specialists was also erroneous. HCFA reported 63% board certified physicians; however the AHA report states that 91 of Lorain Community Hospital's 120 physicians were board certified which equates to 75.8%.

HCFA also reported that Lorain Community Hospital did not have a coronary care unit. This is consistent with AHA's report. However, Lorain Community Hospital's coronary unit is combined with the ICU, thus, Lorain Community Hospital does have the capability to care for acute coronary patients.

HCFA reported that Lorain Community Hospital had an organ transplant service. The AHA report reflected that Lorain Community Hospital did not have such a program.

The specific pages of the 1986 AHA Hospital Survey referenced above are attached for your review. (Attachment B).

EVALUATING QUALITY

1. The mortality statistics do not measure quality, but rather indicate areas that should be investigated by the peer review process. A review of all deaths by a physician is an integral part of Lorain Community Hospital's Quality Assurance Program and has been done for the last several years.

2. As we all strive to evaluate quality, it must be realized that mortality statistics are only one aspect of quality measurement. Efforts by the American Hospital Association and other organizations to identify measures other than mortality to assess quality will assist all facilities in determining where whey fall on the quality yardstick.

Sincerely,

Paul C. Balcom

Paul C. Balcom
President and Chief Executive Officer

PCB/lap
Attachments

LUTHERAN MEDICAL CENTER

2609 FRANKLIN BLVD
CLEVELAND, OH 44113

Medicare Hospital Provider Number: 360087

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,134	12	10 - 15	1,261	13	11 - 16
Cancer	37	41	23 - 57	60	42	31 - 59
Cerebrovascular Accidents	22	23	12 - 48	32	25	14 - 45
Gastrointestinal Catastrophes	7	29	21 - 83	12	42	9 - 63
Infectious Disease	15	47	15 - 64	19	32	22 - 65
Metabolic/Electrolyte Disorders	30	20	10 - 44	20	35	13 - 57
Pulmonary Disease	76	30	16 - 39	67	25	18 - 42
Renal Failure	8	50	17 - 84	6	50	10 - 82
Severe Acute Heart Disease	34	47	23 - 57	32	44	27 - 61
Severe Chronic Heart Disease	66	21	17 - 38	71	18	12 - 31
Severe Trauma	2	0	1 - 90	1	0	0 - 98
Gastrointestinal Disease	59	2	1 - 13	58	0	2 - 10
Gynecologic Disease	8	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	137	4	1 - 10	167	4	1 - 8
Musculoskeletal/Skin Conditions	94	1	1 - 9	116	3	0 - 12
Neuropsychiatric/Sensory Disease	52	2	1 - 16	46	4	0 - 68
Urologic Disease	55	2	0 - 19	70	3	0 - 19

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	187
Occupancy Rate (%):	55
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	141
Percent of Physicians Who Are Board Certified Specialists:	80
Interns and Residents:	30
Registered Nurses:	159
Licensed Practical Nurses:	44

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	Yes

MADISON COUNTY HOSPITAL INC

210 NORTH MAIN STREET
LONDON, OH 43140

Medicare Hospital Provider Number: 360189

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	461	11	10 - 17	484	13	9 - 16
Cancer	6	33	4 - 73	12	58	19 - 71
Cerebrovascular Accidents	18	6	11 - 40	20	20	13 - 50
Gastrointestinal Catastrophes	2	50	7 - 95	5	40	5 - 78
Infectious Disease	19	26	18 - 59	12	17	13 - 59
Metabolic/Electrolyte Disorders	13	31	7 - 58	9	0	1 - 51
Pulmonary Disease	39	21	15 - 42	35	23	14 - 44
Renal Failure	1	100	1 - 97	1	0	2 - 97
Severe Acute Heart Disease	20	70	20 - 60	31	45	21 - 56
Severe Chronic Heart Disease	33	12	10 - 35	22	41	10 - 51
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	36	3	1 - 22	31	0	0 - 22
Gynecologic Disease	9	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	55	0	1 - 10	62	6	0 - 22
Musculoskeletal/Skin Conditions	41	2	0 - 38	51	0	0 - 14
Neuropsychiatric/Sensory Disease	5	0	0 -100	22	0	0 - 96
Urologic Disease	30	7	0 - 85	27	0	0 - 27

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	109
Occupancy Rate (%):	39
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	26
Percent of Physicians Who Are Board Certified Specialists:	31
Interns and Residents:	0
Registered Nurses:	43
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MANSFIELD GEN HOSP

335 GLESSNER AVE
MANSFIELD, OH 44903

Medicare Hospital Provider Number: 360118

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,277	13	9 - 13	2,409	13	9 - 13
Cancer	84	43	26 - 51	112	46	30 - 53
Cerebrovascular Accidents	102	24	20 - 38	94	32	17 - 37
Gastrointestinal Catastrophes	24	29	14 - 53	17	41	13 - 60
Infectious Disease	20	25	13 - 53	13	23	15 - 62
Metabolic/Electrolyte Disorders	37	27	13 - 46	41	39	11 - 46
Pulmonary Disease	84	24	15 - 36	92	33	15 - 37
Renal Failure	6	17	11 - 78	5	40	10 - 85
Severe Acute Heart Disease	90	42	25 - 47	95	32	26 - 47
Severe Chronic Heart Disease	89	31	14 - 35	67	33	13 - 36
Severe Trauma	4	50	4 - 82	10	40	6 - 65
Gastrointestinal Disease	121	2	1 - 9	138	4	1 - 10
Gynecologic Disease	35	0	0 -100	33	3	0 -100
Low-Risk Heart Disease	358	4	1 - 6	336	6	1 - 8
Musculoskeletal/Skin Conditions	184	2	1 - 6	205	4	0 - 9
Neuropsychiatric/Sensory Disease	155	3	0 - 9	191	3	0 - 10
Urologic Disease	132	2	0 - 14	119	1	0 - 13

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	396
Occupancy Rate (%):	51
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	120
Percent of Physicians Who Are Board Certified Specialists:	61
Interns and Residents:	0
Registered Nurses:	310
Licensed Practical Nurses:	49

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

MARIETTA MEMORIAL HOSPITAL

MATTHEW FERGUSON STREETS
MARIETTA, OH 45750

Medicare Hospital Provider Number: 360147

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,451	14	10 - 14	1,344	14	10 - 15
Cancer	43	33	27 - 57	41	59	30 - 62
Cerebrovascular Accidents	64	39	17 - 42	48	44	15 - 44
Gastrointestinal Catastrophes	10	10	13 - 59	9	56	14 - 73
Infectious Disease	18	44	13 - 58	12	33	12 - 64
Metabolic/Electrolyte Disorders	6	17	7 - 70	8	13	3 - 61
Pulmonary Disease	89	30	19 - 40	92	24	17 - 37
Renal Failure	4	50	3 - 84	10	70	20 - 82
Severe Acute Heart Disease	57	40	24 - 50	56	46	24 - 51
Severe Chronic Heart Disease	85	33	15 - 36	78	28	14 - 35
Severe Trauma	0	-	-	2	100	1 - 91
Gastrointestinal Disease	156	3	1 - 9	126	2	1 - 9
Gynecologic Disease	11	0	0 -100	14	0	0 -100
Low-Risk Heart Disease	188	2	2 - 7	143	1	2 - 7
Musculoskeletal/Skin Conditions	126	5	0 - 12	116	3	1 - 10
Neuropsychiatric/Sensory Disease	42	2	0 - 53	46	11	0 - 70
Urologic Disease	70	0	0 - 13	65	2	0 - 13

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	214
Occupancy Rate (%):	48
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	50
Percent of Physicians Who Are Board Certified Specialists:	74
Interns and Residents:	0
Registered Nurses:	107
Licensed Practical Nurses:	69

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MARION GENERAL HOSPITAL

MCKINLEY PARK DR
MARION, OH 43302

Medicare Hospital Provider Number: 360011

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,410	14	10 - 15	1,099	16	10 - 16
Cancer	52	40	27 - 57	44	36	23 - 54
Cerebrovascular Accidents	42	26	13 - 41	34	50	14 - 48
Gastrointestinal Catastrophes	19	53	19 - 65	17	29	14 - 59
Infectious Disease	19	37	18 - 62	11	45	17 - 72
Metabolic/Electrolyte Disorders	11	18	6 - 57	8	38	6 - 68
Pulmonary Disease	84	29	16 - 38	68	26	19 - 42
Renal Failure	2	50	2 - 93	4	0	7 - 76
Severe Acute Heart Disease	74	49	27 - 52	61	56	27 - 54
Severe Chronic Heart Disease	72	31	12 - 34	45	36	13 - 41
Severe Trauma	0	-	-	2	0	1 - 90
Gastrointestinal Disease	111	4	1 - 11	76	5	1 - 17
Gynecologic Disease	10	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	209	6	1 - 9	144	5	2 - 10
Musculoskeletal/Skin Conditions	122	2	0 - 9	105	2	0 - 12
Neuropsychiatric/Sensory Disease	30	3	0 - 45	26	0	0 - 37
Urologic Disease	79	5	0 - 39	67	3	0 - 17

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	257
Occupancy Rate (%):	41
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	69
Percent of Physicians Who Are Board Certified Specialists:	58
Interns and Residents:	0
Registered Nurses:	181
Licensed Practical Nurses:	30

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	Yes

mgh
Marion General Hospital
McKinley Park Drive • Marion, Ohio 43302 • (614) 383-8400

COMMENT HCFA MORTALITY DATA

Introduction

Marion General Hospital, its Board of Trustees, Administration and Medical Staff are committed to the ongoing provision of excellent health care services to the community (communities) we serve. We support the provision of reliable information to the health care consumers so that they may make informed choices concerning their health care needs and we encourage the further development of meaningful measures of health care quality.

Comment on 1986 Mortality Data

While reviewing the 1986 statistics, in 2 of the HCFA categories (cerebrovascular accidents and severe acute heart disease), the hospital's mortality rate fell outside of the range of the predicted mortality rate. These cases had been reviewed through the Quality Assurance system, however, in October of 1986, the cases involved in the 2 categories were re-reviewed by physicians who had not been involved in the care of the patient during their hospitalization and had not participated in prior Quality Assurance review. A 4-level Severity of Illness Index was applied to the secondary record review.

On re-review of the severe acute heart disease cases, it was determined that in three cases, the principal diagnosis was actually cancer. Removal of these cases from the severe acute heart disease category changed the actual death rate to be within the predicted mortality rate for that category. The addition of the same three deaths to the cancer category resulted in an increase in the mortality rate, but it was still within the predicted range.

After a thorough review of the seventeen cerebrovascular cases to include an examination of the medical record and death certificates, the cause of death was clearly attributed to the cerebrovascular problem or a related complication.

Comment on 1987 Mortality Data

The data used by HCFA indicates that a total of 1,410 Medicare patients were admitted to Marion General Hospital in 1987. Our own records indicate that 2,347 Medicare admissions occurred. The discrepancy may reflect multiple admissions of an individual Medicare patient, however, it is difficult to verify this assumption.

Marion General Hospital fell within predicted mortality ranges in each of the diagnostic categories.

Validation of Hospital Characteristics

While verifying the hospital characteristics, it is important to note that Marion General Hospital is a 257 bed, private, not for profit acute care facility. Of the 257 beds, 161 of those comprise the adult medical/surgical beds, as identified in the Mortality Information. Marion General Hospital also has 11 intensive care (mixed ICU/CCU) beds, 25 pediatric medical/surgical beds, 33 obstetrical beds, 24 acute care psychiatric beds and 3 Hospice beds.

In addition, Marion General Hospital's total medical staff is 124 of which 69 of these physicians are board certified. The "active" medical staff is comprised of 71 physicians.

Conclusion

We caution the reviewer of the HCFA Medicare Mortality Information against using these statistics to make judgements about the quality of care at Marion General Hospital or any other provider institution. The statistical methods used to predict the mortality rates indicate only that a hospital's mortality rates may differ from the average (as the HCFA model defines average). These methods cannot establish "why" rates differ among hospitals or within a single hospital from year to year. Additionally, the HCFA model continues to ignore a wide range of factors which are generally accepted as having an impact on mortality. Severity of the patient's illness is an important example.

We believe that significant efforts have been made in the past year to improve the validity of the HCFA information. We applaude these efforts and encourage continued improvements.

We join with other U.S. Health affiliated hospitals in pledging a unified commitment to patient care excellence and to the provision of meaningful health care information to the public we serve.

MARTINS FERRY HOSP

90 NORTH 4TH ST
MARTINS FERRY, OH 43935

Medicare Hospital Provider Number: 360080

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,080	15	11 - 16	1,166	12	10 - 15
Cancer	22	45	21 - 62	47	51	26 - 57
Cerebrovascular Accidents	57	23	16 - 39	31	23	14 - 45
Gastrointestinal Catastrophes	6	50	15 - 82	10	20	9 - 62
Infectious Disease	20	30	16 - 58	24	25	17 - 55
Metabolic/Electrolyte Disorders	30	13	9 - 41	9	0	6 - 47
Pulmonary Disease	92	32	19 - 41	89	18	19 - 38
Renal Failure	2	100	11 - 97	8	75	15 - 80
Severe Acute Heart Disease	51	59	28 - 56	39	54	27 - 59
Severe Chronic Heart Disease	63	33	12 - 37	65	28	14 - 37
Severe Trauma	0	-	-	1	0	2 - 97
Gastrointestinal Disease	61	5	1 - 19	74	3	1 - 13
Gynecologic Disease	4	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	180	6	1 - 10	193	2	1 - 7
Musculoskeletal/Skin Conditions	74	1	1 - 11	107	0	1 - 6
Neuropsychiatric/Sensory Disease	45	0	0 - 23	65	0	0 - 11
Urologic Disease	45	4	0 - 62	51	6	0 - 37

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 236
Occupancy Rate (%): (not available)
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: (not available)
Percent of Physicians Who Are Board Certified Specialists: (not available)
Interns and Residents: (not available)
Registered Nurses: (not available)
Licensed Practical Nurses: (not available)

SPECIALTY SERVICES

Shock/Trauma Unit: (not available)
Burn Unit: (not available)
Medical/Surgical Intensive Care: (not available)
Cardiac Intensive Care: (not available)
Organ Transplant Service: (not available)
Hospice Care: (not available)

MARY RUTAN HOSPITAL

205 PALMER AVENUE
BELLEFONTAINE, OH 43311

Medicare Hospital Provider Number: 360197

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	959	14	10 - 16	896	9	10 - 15
Cancer	10	70	16 - 70	16	44	17 - 64
Cerebrovascular Accidents	47	23	18 - 43	41	17	17 - 42
Gastrointestinal Catastrophes	10	30	13 - 68	8	25	9 - 68
Infectious Disease	16	38	21 - 67	7	29	9 - 71
Metabolic/Electrolyte Disorders	14	29	7 - 57	15	53	12 - 62
Pulmonary Disease	65	28	18 - 41	57	14	16 - 38
Renal Failure	6	50	12 - 83	3	67	6 - 89
Severe Acute Heart Disease	42	43	27 - 58	41	29	27 - 55
Severe Chronic Heart Disease	42	17	11 - 36	63	27	14 - 37
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	86	1	1 - 9	67	3	0 - 16
Gynecologic Disease	11	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	125	5	1 - 11	125	2	2 - 8
Musculoskeletal/Skin Conditions	90	2	1 - 10	88	0	1 - 7
Neuropsychiatric/Sensory Disease	22	5	0 - 45	14	0	0 - 94
Urologic Disease	37	3	0 - 29	58	3	0 - 31

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	105
Occupancy Rate (%):	50
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	39
Percent of Physicians Who Are Board Certified Specialists:	59
Interns and Residents:	0
Registered Nurses:	111
Licensed Practical Nurses:	42

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MARYMOUNT HOSPITAL

12300 MCCRACKEN ROAD
GARFIELD HEIGHTS, OH 44125

Medicare Hospital Provider Number: 360143

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,217	12	10 - 15	2,177	11	10 - 15
Cancer	83	41	29 - 54	74	53	30 - 56
Cerebrovascular Accidents	93	25	18 - 38	79	16	19 - 37
Gastrointestinal Catastrophes	25	36	21 - 61	26	46	17 - 58
Infectious Disease	9	11	10 - 59	17	35	18 - 64
Metabolic/Electrolyte Disorders	41	17	12 - 41	19	32	8 - 52
Pulmonary Disease	104	18	20 - 38	88	27	18 - 40
Renal Failure	5	40	12 - 86	10	60	20 - 84
Severe Acute Heart Disease	98	50	27 - 49	91	31	30 - 51
Severe Chronic Heart Disease	166	27	18 - 33	150	17	17 - 31
Severe Trauma	2	0	2 - 89	9	33	9 - 68
Gastrointestinal Disease	159	4	1 - 10	170	2	1 - 7
Gynecologic Disease	29	0	0 -100	25	0	0 - 86
Low-Risk Heart Disease	318	1	2 - 5	294	2	2 - 6
Musculoskeletal/Skin Conditions	205	2	1 - 6	212	2	1 - 6
Neuropsychiatric/Sensory Disease	63	2	1 - 13	77	3	0 - 15
Urologic Disease	112	1	0 - 9	97	2	0 - 17

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	279
Occupancy Rate (%):	71
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	157
Percent of Physicians Who Are Board Certified Specialists:	71
Interns and Residents:	0
Registered Nurses:	220
Licensed Practical Nurses:	127

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MARYMOUNT

Marymount Hospital
[illegible]
[illegible]
[illegible]

October 21, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East
6325 Security Blvd.
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Having reviewed the HCFA 1987 Medicare Mortality Statistics, we offer the following comments for your consideration.

There are several discrepancies noted in the hospital characteristics attributed to Marymount Hospital:

1. The number of registered hospital beds is 279, not 205 (this does not include 18 bassinets).

2. The total number of Active and Associate Medical Staff Physicians for 1987 is 157, not 141.

3. The percentage of Board Certified Physicians for 1987 was 71%, not 63%.

4. Referencing specialty services, Marymount Hospital does have a coronary care unit, treats trauma patients, and offers hospice care through the Catholic Hospice Network, but does not have a designated Trauma or Burn unit nor offer organ transplant services(we do cooperate with the Regional Organ Recovery Process). Marymount Hospital does also possess state of the art CT and MRI scanning capabilities as well as being approved by the American College of Surgeons as a Community Hospital Comprehensive Cancer Program.

We have verified the case information presented and concur that the cases and mortality percentages per HCFA for 1987 are accurate.

We have a good faith concern that the statistical analysis methodology used to conduct this study may be prone to significant misinterpretation if it is presumed that it can be used as a direct measure of hospital performance. At best, we can only concede that this methodology is a reasonable way to identify potential areas for further evaluation.

We wish to thank the Department of Health and Human Services for the opportunity to review and comment upon the proposed release of selected mortality information.

Sincerely

Thomas J Trudell

Thomas J. Trudell
President & Chief Executive Officer

MASSILLON COMMUNITY HOSPITAL

875 EIGHTH ST NE
MASSILLON, OH 44646

Medicare Hospital Provider Number: 360100

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,415	12	10 - 14	1,449	9	9 - 14
Cancer	48	40	26 - 56	34	41	26 - 60
Cerebrovascular Accidents	69	26	16 - 38	62	23	17 - 40
Gastrointestinal Catastrophes	9	11	12 - 62	12	42	14 - 67
Infectious Disease	9	22	9 - 64	10	20	16 - 67
Metabolic/Electrolyte Disorders	14	21	9 - 55	11	27	6 - 60
Pulmonary Disease	81	22	17 - 38	57	19	15 - 38
Renal Failure	2	50	4 - 93	6	33	7 - 79
Severe Acute Heart Disease	78	55	29 - 53	72	43	28 - 52
Severe Chronic Heart Disease	52	19	13 - 36	73	16	13 - 32
Severe Trauma	1	100	0 - 99	6	50	4 - 75
Gastrointestinal Disease	102	3	1 - 11	98	2	1 - 10
Gynecologic Disease	6	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	181	1	2 - 6	183	2	2 - 7
Musculoskeletal/Skin Conditions	221	2	1 - 6	213	2	0 - 6
Neuropsychiatric/Sensory Disease	30	0	0 - 35	47	2	0 - 27
Urologic Disease	56	4	0 - 51	53	4	0 - 53

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	249
Occupancy Rate (%):	51
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	58
Percent of Physicians Who Are Board Certified Specialists:	64
Interns and Residents:	0
Registered Nurses:	113
Licensed Practical Nurses:	62

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

Massillon
Community
Hospital

Provider # 360100

October 18, 1988

William L. Roper, M.D.
Administrator
Health Care Financing Administration
Department of Health and Human Services
P.O. Box 26676
Baltimore, Maryland 21201

Re: 1987 Mortality Rate Data Release

Dear Dr. Roper:

Massillon Community Hospital maintains the highest standards of quality medical care possible. These standards are achieved through the Hospital's dedication of manpower and resources to establish, monitor, and respond to medical care quality indicators.

The Hospital does endorse efforts to provide the public and interest parties with information regarding the quality of care it provides. However, publication of mortality rates does not provide a meaningful descriptor by which to judge the quality of care individual hospitals provide.

Massillon Community Hospital urges the Health Care Financing Administration to request input from health care providers to develop accurate and meaningful indicators of quality medical care.

Jointly, we may achieve the desired goal of providing individuals and various groups with useful information to make informed choices and decisions.

Sincerely,

Jack W. Topoleski, President
Massillon Community Hospital

JWT/jc

MCCULLOUGH-HYDE MEM HOSP INC

110 N POPLAR ST
OXFORD, OH 45056

Medicare Hospital Provider Number: 360046

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	545	12	10 - 16	608	12	9 - 16
Cancer	8	38	17 - 77	18	61	27 - 71
Cerebrovascular Accidents	18	33	9 - 52	26	23	15 - 49
Gastrointestinal Catastrophes	7	29	10 - 72	4	75	6 - 80
Infectious Disease	7	43	10 - 74	6	50	17 - 84
Metabolic/Electrolyte Disorders	2	0	0 - 98	5	0	6 - 64
Pulmonary Disease	49	31	16 - 43	43	23	15 - 42
Renal Failure	6	83	24 - 91	2	0	9 - 94
Severe Acute Heart Disease	16	31	20 - 64	16	50	20 - 67
Severe Chronic Heart Disease	32	19	12 - 41	34	21	11 - 40
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	50	2	1 - 16	50	4	0 - 29
Gynecologic Disease	8	0	0 -100	11	0	0 -100
Low-Risk Heart Disease	68	3	1 - 13	89	0	1 - 7
Musculoskeletal/Skin Conditions	53	4	1 - 18	52	6	0 - 57
Neuropsychiatric/Sensory Disease	13	0	0 - 47	11	9	0 -100
Urologic Disease	22	5	0 - 68	23	0	0 - 64

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	60
Occupancy Rate (%):	63
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	44
Percent of Physicians Who Are Board Certified Specialists:	84
Interns and Residents:	0
Registered Nurses:	83
Licensed Practical Nurses:	14

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

THE McCULLOUGH-HYDE MEMORIAL HOSPITAL, INC.
OXFORD, OHIO 45056 • PHONE (513) 523-2111

October 18, 1988

Health Standards & Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

The publication, Medicare Hospital Mortality Information (1987), for McCullough-Hyde Memorial Hospital (360046) has been reviewed. Our concern with the data in the report is a general one--the categories have little practical value because there are no secondary or concomitant diagnoses to help explain the deaths, nor are the expansive (in most cases) ranges of mortality rates of any practical value. It is hoped that somewhere you explain that the date of death of a patient in the hospital is also his discharge date so that those with less understanding of the way statistics are kept do not misinterpret and believe a large number of deaths occur on the day of discharge after the patient leaves the hospital.

A few clarifications and/or corrections may be appropriate under "Hospital Characteristics". McCullough-Hyde has 60 beds rather than 64 and our occupancy rate for calendar 1987 was 61.4%. We do not know the definition of "registered nurses per bed" but if it is "full-time equivalent" nurses per bed then the number should be 1.375. The "licensed practical nurses per bed" figure of .27 was verified by us.

Finally, under "Special Services" we have an Intensive Care/Coronary Care Unit; and while we do not run a hospice service directly, we are, with two other institutions, the co-sponsor of a hospice program.

Thank you for the opportunity to comment.

Sincerely,

Richard A. Daniels
Administrator

RAD:sam

MEDICAL CENTER HOSPITAL

272 HOSPITAL RD
CHILLICOTHE, OH 45601

Medicare Hospital Provider Number: 360159

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,585	13	11 - 15	1,662	12	10 - 15
Cancer	34	50	27 - 62	41	46	27 - 60
Cerebrovascular Accidents	72	33	17 - 40	54	43	17 - 44
Gastrointestinal Catastrophes	12	33	12 - 64	4	75	7 - 82
Infectious Disease	22	45	22 - 64	23	30	17 - 57
Metabolic/Electrolyte Disorders	37	35	15 - 50	29	14	8 - 40
Pulmonary Disease	89	18	18 - 37	87	29	16 - 38
Renal Failure	6	83	19 - 86	6	67	19 - 90
Severe Acute Heart Disease	86	40	26 - 49	83	34	27 - 49
Severe Chronic Heart Disease	101	19	14 - 31	120	24	15 - 32
Severe Trauma	2	50	1 - 94	2	0	1 - 90
Gastrointestinal Disease	123	2	2 - 8	138	1	1 - 6
Gynecologic Disease	6	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	159	3	1 - 8	155	3	1 - 8
Musculoskeletal/Skin Conditions	123	4	1 - 11	110	1	1 - 7
Neuropsychiatric/Sensory Disease	88	1	0 - 11	79	4	0 - 27
Urologic Disease	79	3	0 - 26	47	2	0 - 21

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	245
Occupancy Rate (%):	44
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MEDICAL COLLEGE OF OHIO AT TOLEDO

3000 ARLINGTON AVE
TOLEDO, OH 43699

Medicare Hospital Provider Number: 360048

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,271	12	11 - 16	1,230	13	11 - 16
Cancer	82	30	32 - 56	87	34	29 - 53
Cerebrovascular Accidents	33	24	17 - 47	31	42	11 - 46
Gastrointestinal Catastrophes	16	25	17 - 62	9	22	18 - 72
Infectious Disease	13	54	15 - 67	8	38	16 - 76
Metabolic/Electrolyte Disorders	27	26	17 - 53	33	36	11 - 47
Pulmonary Disease	47	23	18 - 44	48	23	16 - 42
Renal Failure	25	8	10 - 56	12	25	6 - 67
Severe Acute Heart Disease	59	32	24 - 49	45	47	25 - 55
Severe Chronic Heart Disease	45	11	14 - 35	45	20	17 - 42
Severe Trauma	5	0	3 - 65	4	25	3 - 80
Gastrointestinal Disease	84	6	1 - 16	58	0	2 - 10
Gynecologic Disease	6	0	0 -100	8	13	0 - 83
Low-Risk Heart Disease	131	5	1 - 11	127	9	1 - 14
Musculoskeletal/Skin Conditions	111	3	1 - 10	111	2	1 - 9
Neuropsychiatric/Sensory Disease	72	1	1 - 11	89	2	0 - 12
Urologic Disease	52	2	0 - 17	44	0	0 - 28

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	274
Occupancy Rate (%):	80
Ownership/Control:	State Government

STAFFING

Total Number of Physicians:	285
Percent of Physicians Who Are Board Certified Specialists:	73
Interns and Residents:	226
Registered Nurses:	354
Licensed Practical Nurses:	47

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	Yes
Hospice Care:	No

mch Medical College Hospitals

Office of the Executive Director

419-381-4172

419-381-3411

3000 Arlington Avenue
Mailing Address: C.S. 10008
Toledo, Ohio 43699

MEDICAL COLLEGE HOSPITALS
Medicare Provider Number 36-0048

October 19, 1988

William Roper, M.D.
Administrator
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, MD 21207

Dear Doctor Roper:

This is written in response to your letter regarding the public release of 1987 mortality data. The Medical College Hospitals is a 319 bed tertiary care medical school hospital. We provide inpatient and outpatient primary care as well as many highly-specialized services such as heart and kidney transplantation, pediatric and adult cardiac surgery, intraoperative radiation therapy and a comprehensive rehabilitation program. The Hospital serves as a major referral center for the areas of northwest Ohio, southeast Michigan, and northeast Indiana. More than 50% of our patients are referred or transferred by physicians outside of Toledo.

The Hospitals' medical staff is comprised of over 300 full time physicians and other health care practitioners. In addition, the hospital employs 120 resident physicians in training. This medical staff, our board of trustees, employees, and administration maintain a strong commitment to the provision of high quality patient care as well as education and research.

With this introduction to the Medical College Hospitals as a background, I would now like to address the public release of mortality data scheduled for December, 1988. Although all of our mortality rates fall within or below the predicted range, these data are quite meaningless in judging quality of patient care. Mortality statistics are but a small piece of a comprehensive quality assurance program found in our hospital. Our program is based upon individual peer review and includes an intensive review of the medical record of every patient who expires.

Not only do we feel that mortality statistics alone are not a quality of care indicator, extreme caution is urged in any inter-hospital comparison of mortality rates published by HCFA. Three of our reasons for this conclusion are as follows:

1. All co-morbidities that may affect patient outcome are not taken into account by the data. The interaction of multiple disease processes is also not accounted for in the model. In addition, the data base used by HCFA in this analysis contained a minimal number of secondary diagnoses, further reducing the value of mortality data in this form as an indicator of quality of care.

2. The cause of death is not taken into account by the data. Because the HCFA data are based on principal diagnosis (which many times is unrelated to the cause of death) certain patients are incorrectly categorized.

3. Social factors such as compliance with prescribed course of treatment, religious preferences, and "Do Not Resuscitate" orders that may directly affect the natural course of disease processes are not considered in the data.

In closing, I want to reemphasize that our internal process of quality assurance is the best tool for measuring and evaluating all aspects of patient care. Although all of our mortality rates were within or below the predicted range, we feel the data itself will not be of assistance in promoting better quality patient care and should not be used to make such judgments.

Thank you for this opportunity to respond to the HCFA mortality data.

Sincerely,

David J. Kolasky
Executive Director

tmz

MEDINA COMMUNITY HOSP

990 E WASHINGTON ST
MEDINA, OH 44256

Medicare Hospital Provider Number: 360091

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,035	12	11 - 17	1,034	15	12 - 18
Cancer	27	59	27 - 64	29	59	31 - 67
Cerebrovascular Accidents	45	29	15 - 43	44	45	19 - 49
Gastrointestinal Catastrophes	9	22	16 - 71	11	36	14 - 68
Infectious Disease	23	48	16 - 58	30	37	20 - 57
Metabolic/Electrolyte Disorders	25	8	7 - 38	12	8	4 - 49
Pulmonary Disease	56	21	17 - 41	53	25	16 - 41
Renal Failure	9	33	15 - 79	5	80	17 - 89
Severe Acute Heart Disease	61	34	29 - 54	55	31	31 - 56
Severe Chronic Heart Disease	63	17	14 - 34	63	27	17 - 40
Severe Trauma	0	-	-	1	0	0 - 98
Gastrointestinal Disease	58	3	0 - 21	73	5	2 - 15
Gynecologic Disease	11	0	0 -100	12	0	0 -100
Low-Risk Heart Disease	127	1	1 - 7	130	1	1 - 6
Musculoskeletal/Skin Conditions	75	5	1 - 17	99	4	0 - 13
Neuropsychiatric/Sensory Disease	27	0	1 - 21	13	0	0 - 89
Urologic Disease	38	0	0 - 35	31	0	0 - 27

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	118
Occupancy Rate (%):	59
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	63
Percent of Physicians Who Are Board Certified Specialists:	59
Interns and Residents:	0
Registered Nurses:	103
Licensed Practical Nurses:	37

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MEMORIAL HOSPITAL OF GENEVA

870 WEST MAIN STREET
GENEVA, OH 44041

Medicare Hospital Provider Number: 360127

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	494	13	9 - 16	484	15	10 - 17
Cancer	10	60	15 - 71	8	63	13 - 73
Cerebrovascular Accidents	22	36	14 - 54	25	44	16 - 54
Gastrointestinal Catastrophes	2	100	2 - 88	5	40	7 - 79
Infectious Disease	15	27	19 - 65	13	23	15 - 62
Metabolic/Electrolyte Disorders	6	67	8 - 75	15	33	13 - 60
Pulmonary Disease	39	15	14 - 39	24	21	14 - 48
Renal Failure	3	67	5 - 88	3	100	12 - 87
Severe Acute Heart Disease	16	38	18 - 64	13	62	17 - 66
Severe Chronic Heart Disease	21	19	14 - 49	23	30	13 - 50
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	67	1	1 - 12	52	4	0 - 25
Gynecologic Disease	3	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	88	1	1 - 9	85	1	1 - 9
Musculoskeletal/Skin Conditions	23	0	0 - 57	36	0	1 - 15
Neuropsychiatric/Sensory Disease	11	9	0 -100	6	0	0 -100
Urologic Disease	22	0	0 - 39	20	0	0 - 71

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	55
Occupancy Rate (%):	54
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	42
Percent of Physicians Who Are Board Certified Specialists:	57
Interns and Residents:	0
Registered Nurses:	43
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MEMORIAL HOSPITAL OF SANDUSKY COUNTY

715 SOUTH TAFT AVENUE
FREMONT, OH 43420

Medicare Hospital Provider Number: 360156

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,010	12	10 - 15	1,013	13	10 - 15
Cancer	11	27	17 - 69	13	38	25 - 75
Cerebrovascular Accidents	45	22	16 - 41	41	24	15 - 43
Gastrointestinal Catastrophes	5	40	6 - 78	5	0	6 - 65
Infectious Disease	12	17	14 - 59	12	42	18 - 70
Metabolic/Electrolyte Disorders	10	10	8 - 55	11	9	10 - 54
Pulmonary Disease	64	25	15 - 39	53	28	14 - 40
Renal Failure	7	57	6 - 76	9	44	16 - 81
Severe Acute Heart Disease	66	45	26 - 52	50	50	30 - 58
Severe Chronic Heart Disease	70	16	16 - 35	61	31	12 - 37
Severe Trauma	1	0	0 - 97	1	0	0 - 99
Gastrointestinal Disease	104	4	1 - 12	106	1	1 - 8
Gynecologic Disease	11	0	0 -100	11	0	0 -100
Low-Risk Heart Disease	90	7	1 - 17	88	1	2 - 9
Musculoskeletal/Skin Conditions	95	1	0 - 9	99	5	0 - 18
Neuropsychiatric/Sensory Disease	39	0	0 - 16	36	3	0 - 40
Urologic Disease	48	0	0 - 18	55	0	1 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	166
Occupancy Rate (%):	40
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	59
Percent of Physicians Who Are Board Certified Specialists:	68
Interns and Residents:	0
Registered Nurses:	105
Licensed Practical Nurses:	49

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MEMORIAL HOSPITAL

715 SOUTH TAFT AVENUE ● FREMONT, OHIO 43420-3296 ● (419) 332-7321

October 21, 1988

William L. Roper, M.D.
Administrator
Health Care Financing Administration
Washington, D.C. 20201

Dear Dr. Roper:

Again, as last year, we continue to commend the Department's efforts with respect to the quality of health care provided to Medicare beneficiaries.

We also continue to urge that the Department inform the people receiving this information to use caution in making judgements regarding an institution's quality of care based on this statistic alone.

Mortality statistics are just one tool used and reviewed in a comprehensive quality assurance program such as we have here at Memorial Hospital.

Many factors and indicators must be reviewed in order to assess the overall quality of care. Mortality statistics need to be reviewed in the context of many factors. We are looking at the outcomes of health care treatment for a population 65 years of age and older, for the most part. In reviewing individual mortality, we must take into account the age of the patient, his or her particular lifestyle and the risk factors associated, the condition of the individual at the time of admission, and whether or not current medical technology could, in fact, have resulted in an outcome other than death. As you are well aware, there are still disease processes and conditions whose progress and outcome cannot be altered by medical technology.

These are reasons why we urge caution in making judgements from these statistics alone.

Comprehensive Quality Assurance Programs, such as ours, cover a full review of all care provided within an institution comparing it against the standards established by government agencies, the Joint Commission on Accreditation of Health Care Organizations, and the various bodies of medical specialties. We believe that this process is a much stronger indicator of the quality of care provided.

We do not challenge the accuracy of the statistics, but urge caution and discretion in their use.

We thank you for this opportunity to comment.

Sincerely,

Michael J. Falatko
Executive Vice President

jw
FEDERAL EXPRESS

MEMORIAL HOSPITAL OF UNION CO

500 LONDON AVE
MARYSVILLE, OH 43040

Medicare Hospital Provider Number: 360092

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	514	10	9 - 15	548	14	10 - 17
Cancer	13	23	18 - 64	15	60	21 - 69
Cerebrovascular Accidents	14	36	11 - 59	25	48	12 - 51
Gastrointestinal Catastrophes	5	20	9 - 77	5	40	9 - 80
Infectious Disease	6	83	10 - 72	1	0	0 - 98
Metabolic/Electrolyte Disorders	7	43	11 - 75	6	33	8 - 75
Pulmonary Disease	39	26	12 - 41	27	15	12 - 42
Renal Failure	4	75	12 - 88	0	-	-
Severe Acute Heart Disease	14	29	17 - 63	28	54	28 - 64
Severe Chronic Heart Disease	25	16	8 - 39	36	31	11 - 42
Severe Trauma	0	-	-	1	0	0 - 98
Gastrointestinal Disease	36	0	0 - 16	33	3	1 - 23
Gynecologic Disease	7	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	87	3	1 - 12	83	5	1 - 14
Musculoskeletal/Skin Conditions	51	2	1 - 16	47	2	0 - 31
Neuropsychiatric/Sensory Disease	19	0	0 - 46	17	0	0 - 51
Urologic Disease	19	5	0 - 98	23	0	0 - 74

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 71
Occupancy Rate (%): 44
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 30
Percent of Physicians Who Are Board Certified Specialists: 67
Interns and Residents: 0
Registered Nurses: 42
Licensed Practical Nurses: 16

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

MERCER CO JOINT TOWNSHIP COMM HOSP

800 WEST MAIN STREET
COLDWATER, OH 45828

Medicare Hospital Provider Number: 360058

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	810	11	9 - 15	730	11	9 - 14
Cancer	18	44	23 - 67	4	25	10 - 83
Cerebrovascular Accidents	35	26	16 - 46	19	21	13 - 50
Gastrointestinal Catastrophes	5	40	4 - 78	5	0	4 - 64
Infectious Disease	4	0	7 - 72	11	18	19 - 67
Metabolic/Electrolyte Disorders	27	15	9 - 43	27	11	13 - 43
Pulmonary Disease	52	17	14 - 37	57	26	14 - 39
Renal Failure	1	100	1 - 97	5	40	14 - 89
Severe Acute Heart Disease	32	44	28 - 62	22	45	24 - 64
Severe Chronic Heart Disease	44	25	12 - 39	34	29	11 - 42
Severe Trauma	0	-	-	1	100	1 - 97
Gastrointestinal Disease	83	2	1 - 11	64	3	1 - 15
Gynecologic Disease	8	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	108	5	1 - 12	81	10	1 - 21
Musculoskeletal/Skin Conditions	91	2	1 - 11	92	0	2 - 7
Neuropsychiatric/Sensory Disease	10	0	0 -100	19	5	0 - 68
Urologic Disease	47	2	0 - 26	40	0	0 - 23

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	93
Occupancy Rate (%):	70
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	34
Percent of Physicians Who Are Board Certified Specialists:	59
Interns and Residents:	0
Registered Nurses:	101
Licensed Practical Nurses:	12

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MERCY HOSP

1430 S HIGH ST
COLUMBUS, OH 43207

Medicare Hospital Provider Number: 360031

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	956	10	8 - 13	979	11	8 - 14
Cancer	27	52	33 - 71	24	54	26 - 66
Cerebrovascular Accidents	44	23	16 - 42	29	31	14 - 48
Gastrointestinal Catastrophes	7	14	8 - 66	11	27	7 - 61
Infectious Disease	8	38	5 - 68	6	33	9 - 76
Metabolic/Electrolyte Disorders	19	26	8 - 51	22	27	13 - 53
Pulmonary Disease	51	14	11 - 34	65	18	12 - 34
Renal Failure	1	0	2 - 97	7	43	9 - 79
Severe Acute Heart Disease	24	46	23 - 62	34	32	18 - 50
Severe Chronic Heart Disease	64	19	12 - 33	44	27	10 - 38
Severe Trauma	0	-	-	2	50	2 - 92
Gastrointestinal Disease	91	3	0 - 13	84	2	0 - 13
Gynecologic Disease	4	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	169	2	1 - 7	191	1	2 - 6
Musculoskeletal/Skin Conditions	101	2	1 - 9	103	3	0 - 14
Neuropsychiatric/Sensory Disease	19	5	0 -100	21	5	0 - 95
Urologic Disease	26	4	0 - 99	18	6	0 - 91

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	170
Occupancy Rate (%):	54
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	51
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	0
Registered Nurses:	91
Licensed Practical Nurses:	12

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

MERCY HOSP

116 DAYTON ST
HAMILTON, OH 45011

Medicare Hospital Provider Number: 360056

Diagnostic Category	Calender Year 1987 Cases	Calender Year 1987 Actual Mortality Rate (%)	Calender Year 1987 Range For Predicted Mortality (%)	Calender Year 1986 Cases	Calender Year 1986 Actual Mortality Rate (%)	Calender Year 1986 Range For Predicted Mortality (%)
All Cases	2,582	12	9 - 13	2,570	13	9 - 14
Cancer	64	42	24 - 52	66	39	30 - 57
Cerebrovascular Accidents	95	29	18 - 37	89	36	19 - 40
Gastrointestinal Catastrophes	22	45	15 - 58	26	35	17 - 57
Infectious Disease	36	25	18 - 49	64	31	20 - 48
Metabolic/Electrolyte Disorders	35	23	12 - 45	22	41	7 - 51
Pulmonary Disease	128	30	15 - 34	144	31	16 - 34
Renal Failure	10	30	15 - 77	11	45	23 - 86
Severe Acute Heart Disease	81	57	29 - 52	87	47	25 - 47
Severe Chronic Heart Disease	138	26	15 - 32	153	28	15 - 31
Severe Trauma	2	50	1 - 93	2	50	1 - 93
Gastrointestinal Disease	195	3	1 - 7	207	3	1 - 8
Gynecologic Disease	25	0	0 - 90	12	0	0 -100
Low-Risk Heart Disease	335	2	2 - 6	348	1	2 - 5
Musculoskeletal/Skin Conditions	265	2	1 - 6	252	3	0 - 7
Neuropsychiatric/Sensory Disease	82	6	0 - 26	72	3	0 - 16
Urologic Disease	119	1	0 - 9	125	2	0 - 12

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	317
Occupancy Rate (%):	56
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	319
Percent of Physicians Who Are Board Certified Specialists:	83
Interns and Residents:	0
Registered Nurses:	238
Licensed Practical Nurses:	63

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MERCY HOSP

485 W MARKET ST
TIFFIN, OH 44883

Medicare Hospital Provider Number: 360089

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,004	11	10 - 15	993	11	10 - 15
Cancer	12	42	19 - 71	17	59	22 - 67
Cerebrovascular Accidents	43	28	19 - 46	31	32	13 - 47
Gastrointestinal Catastrophes	7	29	7 - 70	7	43	8 - 73
Infectious Disease	14	21	19 - 63	13	31	19 - 69
Metabolic/Electrolyte Disorders	12	8	7 - 50	18	11	11 - 48
Pulmonary Disease	45	16	16 - 40	50	22	15 - 41
Renal Failure	9	67	21 - 84	0	-	-
Severe Acute Heart Disease	42	38	26 - 56	46	41	28 - 58
Severe Chronic Heart Disease	83	25	17 - 37	78	32	16 - 38
Severe Trauma	1	100	1 - 97	2	0	1 - 90
Gastrointestinal Disease	73	0	1 - 8	66	0	1 - 8
Gynecologic Disease	5	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	182	3	3 - 8	148	1	2 - 7
Musculoskeletal/Skin Conditions	109	2	1 - 9	118	1	1 - 7
Neuropsychiatric/Sensory Disease	49	2	0 - 21	48	0	1 - 12
Urologic Disease	31	3	0 - 33	42	2	0 - 23

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 95
Occupancy Rate (%): 61
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 33
Percent of Physicians Who Are Board Certified Specialists: 48
Interns and Residents: 0
Registered Nurses: 67
Licensed Practical Nurses: 42

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

Mercy Hospital
OF TIFFIN

October 19, 1988

Health Standards and Quality Bureau
Health Care Financing Administration
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert,

Mercy Hospital of Tiffin, Ohio has reviewed the 1987 Medicare Mortality Data provided by HCFA. For all diagnostic categories with a population greater than 1, Mercy Hospital was within the HCFA ranges of predicted mortality.

Mercy Hospital of Tiffin contends that the HCFA model should not be used to develop conclusions or projections for the general population as predictors of hospital mortality or as assessments of hospital performance since the model focuses on Medicare beneficiaries, most of whom are over the age of 65. The tendencies and needs of the focus group may vary from the general population.

Further, the model should utilize the total inpatient hospital experience of the focused population, not just the single hospitalization preceding death. Such a shift would show a true relationship between total Medicare discharges and Medicare mortalities.

Finally, HCFA should consider only mortalities occuring at the time of discharge, not those within 30 days of discharge, due to the difficulty of confirming the nature or cause of the mortality.

Mercy Hospital appreciates receiving this information and the opportunity to provide comments.

Sincerely,

Sister Marie Catherine Wise, RSM

Sister Marie Catherine Wise, RSM
President

ebk

MERCY HOSP

2200 JEFFERSON AVE
TOLEDO, OH 43624

Medicare Hospital Provider Number: 360103

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,266	10	10 - 14	2,371	10	9 - 13
Cancer	74	39	29 - 55	78	37	30 - 55
Cerebrovascular Accidents	93	19	16 - 34	76	17	17 - 36
Gastrointestinal Catastrophes	21	29	17 - 58	20	30	17 - 59
Infectious Disease	39	31	22 - 54	26	35	18 - 57
Metabolic/Electrolyte Disorders	80	11	15 - 38	68	18	13 - 38
Pulmonary Disease	127	25	16 - 34	110	24	15 - 35
Renal Failure	33	33	15 - 64	23	39	11 - 66
Severe Acute Heart Disease	61	39	25 - 51	58	40	25 - 51
Severe Chronic Heart Disease	116	16	17 - 32	130	21	17 - 32
Severe Trauma	2	0	1 - 90	1	0	0 - 98
Gastrointestinal Disease	226	2	1 - 7	229	1	2 - 6
Gynecologic Disease	15	7	0 -100	14	0	0 -100
Low-Risk Heart Disease	207	1	2 - 5	284	3	2 - 6
Musculoskeletal/Skin Conditions	212	2	1 - 6	218	1	1 - 5
Neuropsychiatric/Sensory Disease	80	0	1 - 8	107	0	1 - 6
Urologic Disease	116	3	0 - 11	123	1	0 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	294
Occupancy Rate (%):	63
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	214
Percent of Physicians Who Are Board Certified Specialists:	64
Interns and Residents:	25
Registered Nurses:	217
Licensed Practical Nurses:	110

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

MERCY HOSPITAL

1248 KINNEYS LANE
PORTSMOUTH, OH 45662

Medicare Hospital Provider Number: 360022

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,753	12	10 - 14	1,766	13	10 - 15
Cancer	53	40	28 - 57	47	45	27 - 58
Cerebrovascular Accidents	60	25	17 - 41	54	26	18 - 43
Gastrointestinal Catastrophes	7	43	7 - 72	9	44	12 - 72
Infectious Disease	22	32	15 - 55	23	48	16 - 58
Metabolic/Electrolyte Disorders	40	22	13 - 45	43	30	12 - 44
Pulmonary Disease	99	34	17 - 39	116	28	17 - 37
Renal Failure	9	33	10 - 74	11	55	14 - 76
Severe Acute Heart Disease	69	45	28 - 53	80	45	27 - 50
Severe Chronic Heart Disease	112	21	15 - 32	122	20	16 - 32
Severe Trauma	1	0	1 - 97	1	100	2 - 97
Gastrointestinal Disease	144	3	1 - 9	163	2	1 - 8
Gynecologic Disease	11	0	0 -100	16	0	0 -100
Low-Risk Heart Disease	237	3	1 - 7	251	2	2 - 7
Musculoskeletal/Skin Conditions	124	2	1 - 8	154	3	0 - 9
Neuropsychiatric/Sensory Disease	121	2	0 - 12	53	4	0 - 20
Urologic Disease	75	0	1 - 8	67	0	1 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	177
Occupancy Rate (%):	73
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	81
Percent of Physicians Who Are Board Certified Specialists:	53
Interns and Residents:	0
Registered Nurses:	123
Licensed Practical Nurses:	65

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MERCY HOSPITAL WILLARD

110 E HOWARD ST
WILLARD, OH 44890

Medicare Hospital Provider Number: 360063

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	346	10	8 - 15	330	12	8 - 16
Cancer	3	67	6 - 87	3	33	12 - 93
Cerebrovascular Accidents	23	30	11 - 49	18	33	11 - 54
Gastrointestinal Catastrophes	3	67	2 - 86	5	40	7 - 79
Infectious Disease	3	0	2 - 80	3	67	5 - 86
Metabolic/Electrolyte Disorders	7	71	9 - 72	6	17	7 - 70
Pulmonary Disease	19	26	12 - 52	26	31	11 - 48
Renal Failure	2	0	10 - 95	1	0	0 - 98
Severe Acute Heart Disease	11	27	13 - 64	12	50	17 - 69
Severe Chronic Heart Disease	18	11	10 - 43	17	29	8 - 52
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	28	0	0 - 43	20	0	0 - 58
Gynecologic Disease	4	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	57	0	1 - 9	52	0	0 - 11
Musculoskeletal/Skin Conditions	35	0	0 - 20	33	3	0 - 29
Neuropsychiatric/Sensory Disease	5	0	0 -100	9	0	0 - 96
Urologic Disease	15	0	0 -100	9	11	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	64
Occupancy Rate (%):	27
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	14
Percent of Physicians Who Are Board Certified Specialists:	50
Interns and Residents:	0
Registered Nurses:	34
Licensed Practical Nurses:	16

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MERCY MED CTR OF SPRINGFIELD

1343 FOUNTAIN BLVD
SPRINGFIELD, OH 45501

Medicare Hospital Provider Number: 360086

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,426	12	10 - 14	2,342	12	10 - 15
Cancer	85	47	29 - 54	100	35	30 - 53
Cerebrovascular Accidents	108	21	18 - 35	110	24	20 - 38
Gastrointestinal Catastrophes	14	36	13 - 63	17	18	16 - 57
Infectious Disease	33	36	17 - 52	36	22	21 - 52
Metabolic/Electrolyte Disorders	41	7	12 - 38	36	22	10 - 42
Pulmonary Disease	111	25	20 - 39	127	24	16 - 35
Renal Failure	8	50	14 - 81	15	40	17 - 76
Severe Acute Heart Disease	86	50	29 - 52	89	46	28 - 51
Severe Chronic Heart Disease	154	25	15 - 31	129	26	16 - 33
Severe Trauma	5	20	6 - 75	5	60	5 - 78
Gastrointestinal Disease	198	4	1 - 8	190	4	1 - 8
Gynecologic Disease	19	0	0 -100	15	7	0 -100
Low-Risk Heart Disease	280	5	2 - 8	243	3	2 - 7
Musculoskeletal/Skin Conditions	209	2	0 - 7	225	2	1 - 6
Neuropsychiatric/Sensory Disease	69	3	0 - 34	89	7	0 - 30
Urologic Disease	95	1	0 - 9	100	1	0 - 12

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	337
Occupancy Rate (%):	53
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	136
Percent of Physicians Who Are Board Certified Specialists:	66
Interns and Residents:	0
Registered Nurses:	228
Licensed Practical Nurses:	70

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

MERCY MEM HOSP

904 SCIOTO AVE
URBANA, OH 43078

Medicare Hospital Provider Number: 360088

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	620	10	9 - 15	665	11	9 - 15
Cancer	16	63	23 - 69	15	53	22 - 70
Cerebrovascular Accidents	25	28	15 - 51	26	31	14 - 49
Gastrointestinal Catastrophes	2	50	4 - 93	4	0	5 - 71
Infectious Disease	8	0	13 - 55	7	29	8 - 71
Metabolic/Electrolyte Disorders	5	40	4 - 78	15	7	4 - 43
Pulmonary Disease	33	12	12 - 38	42	14	16 - 41
Renal Failure	1	0	1 - 97	2	50	5 - 94
Severe Acute Heart Disease	16	50	22 - 69	25	40	19 - 57
Severe Chronic Heart Disease	45	20	14 - 38	37	24	12 - 41
Severe Trauma	1	0	1 - 97	0	-	-
Gastrointestinal Disease	68	6	1 - 18	45	7	1 - 22
Gynecologic Disease	7	0	0 -100	7	14	0 -100
Low-Risk Heart Disease	63	2	1 - 12	81	9	1 - 18
Musculoskeletal/Skin Conditions	55	4	0 - 23	61	2	0 - 16
Neuropsychiatric/Sensory Disease	15	0	0 - 65	14	0	0 - 98
Urologic Disease	28	0	0 - 53	23	0	0 - 38

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	61
Occupancy Rate (%):	49
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	24
Percent of Physicians Who Are Board Certified Specialists:	63
Interns and Residents:	0
Registered Nurses:	53
Licensed Practical Nurses:	13

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MIAMI VALLEY HOSP

1 WYOMING ST
DAYTON, OH 45409

Medicare Hospital Provider Number: 360051

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	4,103	10	10 - 14	4,060	11	9 - 13
Cancer	156	36	28 - 48	144	33	26 - 47
Cerebrovascular Accidents	155	24	19 - 34	147	20	20 - 35
Gastrointestinal Catastrophes	33	33	20 - 55	38	50	20 - 56
Infectious Disease	42	26	23 - 53	42	33	23 - 56
Metabolic/Electrolyte Disorders	75	21	14 - 40	58	31	12 - 41
Pulmonary Disease	186	23	19 - 35	187	25	18 - 35
Renal Failure	37	27	11 - 59	50	26	7 - 56
Severe Acute Heart Disease	153	35	27 - 45	154	41	29 - 47
Severe Chronic Heart Disease	210	16	17 - 29	181	23	15 - 30
Severe Trauma	14	36	8 - 59	10	40	8 - 66
Gastrointestinal Disease	250	4	2 - 8	290	3	1 - 7
Gynecologic Disease	45	0	0 - 97	34	0	0 -100
Low-Risk Heart Disease	582	3	2 - 5	541	3	2 - 5
Musculoskeletal/Skin Conditions	340	4	1 - 6	414	2	1 - 5
Neuropsychiatric/Sensory Disease	206	1	1 - 6	219	0	1 - 5
Urologic Disease	179	0	1 - 5	148	0	1 - 5

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	731
Occupancy Rate (%):	67
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	378
Percent of Physicians Who Are Board Certified Specialists:	71
Interns and Residents:	52
Registered Nurses:	869
Licensed Practical Nurses:	23

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	Yes
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

MVH **Miami Valley Hospital**
One Wyoming Street, 513 223-6192
Dayton, Ohio 45409-2793

October 5, 1988

William L. Roper, MD
Administrator
Health Care Financing Administration
Department of Health & Human Services
Washington, DC 20201

RE: HCFA Mortality Information

Dear Dr. Roper:

Miami Valley Hospital has reviewed the mortality statistics provided in the Health Care Financing Administration report of September 16, 1988, and finds the data substantially in agreement with ours.

In keeping with the guidelines that permit us to add a statement for publication in the Federal Register with our mortality statistics, we request the following be inserted:

> Miami Valley Hospital, the healthcare leader in the Greater Miami Valley Region, is committed to providing the highest quality patient care and service. As one of the nation's 100 largest hospitals, Miami Valley Hospital offers a complete range of services, including regional referral programs for high-risk maternity, emergency and trauma with air ambulance service, adult burn care, cancer treatment and research, physical rehabilitation and kidney dialysis.

Sincerely,

Thomas G. Breitenbach
President and
Chief Executive Officer

ldh

MIDDLETOWN HOSP ASSN

105 MCKNIGHT DRIVE
MIDDLETOWN, OH 45042

Medicare Hospital Provider Number: 360076

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,388	12	10 - 14	2,388	13	10 - 14
Cancer	80	41	29 - 55	54	30	28 - 56
Cerebrovascular Accidents	87	31	19 - 40	82	21	17 - 36
Gastrointestinal Catastrophes	20	50	17 - 62	25	32	23 - 62
Infectious Disease	37	41	19 - 53	32	44	24 - 60
Metabolic/Electrolyte Disorders	34	21	12 - 45	25	12	11 - 43
Pulmonary Disease	142	29	17 - 36	170	29	16 - 34
Renal Failure	10	60	16 - 79	10	70	20 - 82
Severe Acute Heart Disease	85	45	26 - 49	91	58	28 - 50
Severe Chronic Heart Disease	139	22	15 - 30	148	27	17 - 33
Severe Trauma	1	0	1 - 97	6	33	6 - 74
Gastrointestinal Disease	158	4	1 - 10	205	3	1 - 7
Gynecologic Disease	31	0	0 -100	27	0	0 -100
Low-Risk Heart Disease	266	2	2 - 6	254	2	1 - 6
Musculoskeletal/Skin Conditions	272	3	1 - 7	239	2	0 - 6
Neuropsychiatric/Sensory Disease	60	3	0 - 21	64	3	0 - 23
Urologic Disease	110	2	0 - 16	103	1	0 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	315
Occupancy Rate (%):	56
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	104
Percent of Physicians Who Are Board Certified Specialists:	88
Interns and Residents:	0
Registered Nurses:	220
Licensed Practical Nurses:	62

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

MORROW CO HOSP

651 W MARION RD
MOUNT GILEAD, OH 43338

Medicare Hospital Provider Number: 360108

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	276	14	11 - 19	311	16	11 - 20
Cancer	5	60	10 - 81	6	50	16 - 83
Cerebrovascular Accidents	11	27	8 - 59	17	41	13 - 58
Gastrointestinal Catastrophes	3	0	3 - 79	3	67	5 - 87
Infectious Disease	4	25	8 - 82	7	29	16 - 78
Metabolic/Electrolyte Disorders	2	0	3 - 88	4	25	0 - 91
Pulmonary Disease	31	26	14 - 46	38	26	13 - 43
Renal Failure	4	75	11 - 87	6	33	11 - 82
Severe Acute Heart Disease	13	46	19 - 69	14	57	17 - 66
Severe Chronic Heart Disease	27	19	12 - 43	22	27	13 - 50
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	32	3	0 - 29	24	0	0 - 51
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	36	0	1 - 15	49	2	1 - 16
Musculoskeletal/Skin Conditions	13	0	0 - 99	17	0	0 - 94
Neuropsychiatric/Sensory Disease	3	0	0 -100	2	0	0 -100
Urologic Disease	17	6	0 - 83	13	0	0 - 86

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	61
Occupancy Rate (%):	31
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	17
Percent of Physicians Who Are Board Certified Specialists:	41
Interns and Residents:	0
Registered Nurses:	18
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MT CARMEL HEALTH

793 W STATE ST
COLUMBUS, OH 43222

Medicare Hospital Provider Number: 360035

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	6,836	13	10 - 14	6,456	13	10 - 14
Cancer	238	34	30 - 49	232	35	32 - 51
Cerebrovascular Accidents	261	30	19 - 32	208	27	20 - 34
Gastrointestinal Catastrophes	64	42	22 - 52	71	38	22 - 50
Infectious Disease	119	34	27 - 50	110	41	27 - 51
Metabolic/Electrolyte Disorders	127	35	17 - 41	121	31	15 - 39
Pulmonary Disease	299	27	20 - 34	278	28	18 - 33
Renal Failure	35	29	17 - 65	15	33	11 - 69
Severe Acute Heart Disease	323	38	30 - 45	313	43	30 - 44
Severe Chronic Heart Disease	387	24	17 - 28	309	27	17 - 30
Severe Trauma	14	21	10 - 57	13	31	9 - 61
Gastrointestinal Disease	381	4	2 - 7	376	5	2 - 7
Gynecologic Disease	58	2	0 - 72	64	0	0 - 46
Low-Risk Heart Disease	1,069	6	2 - 5	968	6	2 - 6
Musculoskeletal/Skin Conditions	546	2	1 - 5	549	2	1 - 4
Neuropsychiatric/Sensory Disease	174	3	1 - 9	195	5	0 - 11
Urologic Disease	374	2	0 - 6	253	2	1 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	815
Occupancy Rate (%):	66
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	332
Percent of Physicians Who Are Board Certified Specialists:	73
Interns and Residents:	74
Registered Nurses:	661
Licensed Practical Nurses:	22

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

MOUNT CARMEL HEALTH

793 WEST STATE STREET COLUMBUS OHIO 43222 614 225 5000

MEDICARE PROVIDER NUMBER - 035

Mount Carmel Health has reviewed the HCFA Mortality Data for 1987 just as we reviewed the 1986 data last October. We use the HCFA data in the manner in which it is intended, that is to help focus our review in particular areas of statistical question. Our review and evaluation of the HCFA data as well as our internally generated data reveals the following:

1) **We treated 1516 Medicare patients who fell into the HCFA "low risk heart disease" category.** Our mortality rate was 4.2% in that population.

2) All of the patients included in the HCFA statistics except 6 were emergency admissions.

3) The average patient age was 73.

4) Following admission 18 patients suffered acute Myocardial Infarction and 16 developed cardiac arrythmias requiring treatment.

5) Included in the HCFA "low risk heart disease" category were patients admitted with:

Cerebral Vascular Accident	10*
Deep Vein Thrombosis	3*

*We question inclusion of these conditions in the category "low risk heart disease" as inappropriate and misleading.

6) All of the patients had at least one preexisting co-morbid condition including:

Coronary Artery Disease
Diabetes
Cancer
Renal Failure
Chronic Obstructive Pulmonary Disease
Hypertension

We understand that being above the predicted mortality range does not indicate we provide substandard care nor does being below indicate we provide higher quality care as compared with other hospitals. Being outside the predicted range can indicate a number of things including:

1) the predictive model used by HCFA is unable to account for all the factors that influence mortality

2) the patients we care for are not "average" in terms of the severity of their illnesses

3) the services we provide are not "average" as compared to other hospitals.

Mount Carmel Health sponsors two hospitals. Mount Carmel East Hospital is a 292 bed community hospital with one of the busiest emergency departments in the city. Mount Carmel Medical Center is a 520 bed acute care teaching hospital that serves as a regional referral hospital for, among others, cardiac patients. Through the Ohio Heart and Vascular Institute (OHVI) at Mount Carmel we administer a large cardiology/cardiac surgery program. The OHVI also sponsors the Ohio Heart Emergency Network whereby heart patients are brought to Mount Carmel from all over the state of Ohio; many of whom are quite ill. Our experience has been that, in general, we provide care to patients who are too ill to be treated in smaller, rural hospitals and this, at least in part, accounts for our mortality rate.

Mount Carmel Health and its medical staff is committed to the highest quality health care for its patients. In order to maintain our high standards, we conduct ongoing quality review and evaluation of all aspects of patient care. We prefer to rely on our own model and data because of the limitations in the HCFA methodology and data. We understand that HCFA continues to refine its model for projecting mortality ranges and we encourage its efforts. We must, however, again reiterate our concern with the absence of "severity" measures from the predictive models. We support the concept of providing meaningful information to consumers to enable them to make more informed health care decisions.

Hospital Characteristics	
Licensed Medical/Surgical Beds	651*
Total Licensed Beds	815
Occupancy Rate	67%
Ownership/Control	Church
Total Number of Physicians	332
Percent Board Certified	73%
Interns and Residents	74

Specialty Services:

Trauma - Level One
Home Care
Psychiatric Unit
Women's Center
Coronary Care Unit
Hospice Care
Rehabilitation Unit

*Not all licensed beds were set up and staffed for use during 1987.

Submitted by: Claire V. Wolfe, M.D., Chairman,
Quality Evaluation Committee

MT SINAI MEDICAL CTR

UNIVERSITY CIRCLE
CLEVELAND, OH 44106

Medicare Hospital Provider Number: 360075

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,501	10	10 - 14	3,228	11	10 - 14
Cancer	111	41	32 - 55	134	42	32 - 54
Cerebrovascular Accidents	145	15	19 - 34	108	14	19 - 34
Gastrointestinal Catastrophes	20	50	15 - 59	27	41	16 - 55
Infectious Disease	36	50	21 - 56	31	52	19 - 57
Metabolic/Electrolyte Disorders	78	18	16 - 40	66	35	15 - 43
Pulmonary Disease	137	22	22 - 40	137	19	19 - 36
Renal Failure	25	32	16 - 68	16	25	10 - 66
Severe Acute Heart Disease	110	35	30 - 50	106	43	30 - 51
Severe Chronic Heart Disease	174	10	19 - 30	149	13	19 - 32
Severe Trauma	6	33	8 - 75	6	33	4 - 74
Gastrointestinal Disease	187	4	1 - 9	201	1	1 - 6
Gynecologic Disease	21	0	0 -100	24	0	0 - 99
Low-Risk Heart Disease	461	4	2 - 6	334	4	2 - 7
Musculoskeletal/Skin Conditions	281	2	1 - 6	298	1	1 - 5
Neuropsychiatric/Sensory Disease	176	1	1 - 7	185	2	1 - 7
Urologic Disease	125	0	1 - 6	122	2	0 - 10

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 450
Occupancy Rate (%): 68
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 453
Percent of Physicians Who Are Board Certified Specialists: 96
Interns and Residents: 140
Registered Nurses: 411
Licensed Practical Nurses: 82

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

NORTHEASTERN OHIO GENERAL HOSPITAL

2041 HUBBARD ROAD
MADISON, OH 44057

Medicare Hospital Provider Number: 360171

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	428	12	10 - 17	443	10	9 - 16
Cancer	3	100	8 - 81	2	50	4 - 92
Cerebrovascular Accidents	14	36	10 - 58	13	54	12 - 63
Gastrointestinal Catastrophes	4	50	11 - 87	3	67	5 - 86
Infectious Disease	13	15	11 - 55	1	0	0 -100
Metabolic/Electrolyte Disorders	10	10	7 - 55	5	20	8 - 76
Pulmonary Disease	46	22	13 - 39	47	23	18 - 45
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	20	20	25 - 61	15	33	21 - 67
Severe Chronic Heart Disease	37	30	13 - 43	36	19	16 - 43
Severe Trauma	2	0	1 - 90	0	-	-
Gastrointestinal Disease	33	0	1 - 16	52	0	1 - 10
Gynecologic Disease	5	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	61	2	1 - 12	58	0	1 - 9
Musculoskeletal/Skin Conditions	37	0	0 - 21	49	2	1 - 16
Neuropsychiatric/Sensory Disease	8	0	0 - 99	13	0	0 - 95
Urologic Disease	15	0	0 - 60	14	0	0 - 72

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 66
Occupancy Rate (%): (not available)
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: (not available)
Percent of Physicians Who Are Board Certified Specialists: (not available)
Interns and Residents: (not available)
Registered Nurses: (not available)
Licensed Practical Nurses: (not available)

SPECIALTY SERVICES

Shock/Trauma Unit: (not available)
Burn Unit: (not available)
Medical/Surgical Intensive Care: (not available)
Cardiac Intensive Care: (not available)
Organ Transplant Service: (not available)
Hospice Care: (not available)

O BLENESS MEMORIAL HOSPITAL

HOSPITAL DRIVE
ATHENS, OH 45701

Medicare Hospital Provider Number: 360014

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	649	14	11 - 17	715	13	10 - 16
Cancer	29	62	23 - 60	20	65	22 - 64
Cerebrovascular Accidents	29	28	14 - 47	32	28	16 - 48
Gastrointestinal Catastrophes	5	60	9 - 80	5	40	7 - 79
Infectious Disease	14	14	15 - 56	11	45	10 - 65
Metabolic/Electrolyte Disorders	9	22	9 - 64	14	21	5 - 53
Pulmonary Disease	41	15	13 - 38	44	25	15 - 42
Renal Failure	4	75	9 - 85	4	50	10 - 88
Severe Acute Heart Disease	42	36	24 - 54	29	38	22 - 58
Severe Chronic Heart Disease	27	26	13 - 47	38	29	13 - 43
Severe Trauma	1	0	0 - 99	1	0	0 -100
Gastrointestinal Disease	46	9	0 - 30	46	4	0 - 23
Gynecologic Disease	15	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	65	2	1 - 11	63	0	1 - 8
Musculoskeletal/Skin Conditions	40	2	0 - 21	62	5	0 - 27
Neuropsychiatric/Sensory Disease	8	0	0 - 99	20	0	0 - 94
Urologic Disease	44	0	0 - 34	51	0	0 - 13

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	101
Occupancy Rate (%):	45
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	51
Percent of Physicians Who Are Board Certified Specialists:	61
Interns and Residents:	0
Registered Nurses:	71
Licensed Practical Nurses:	31

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

OAK HILL COMM MEDICAL CTR

350 CHARLOTTE AVE
OAK HILL, OH 45656

Medicare Hospital Provider Number: 360050

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	320	13	10 - 18	340	13	10 - 18
Cancer	7	43	12 - 76	6	67	11 - 77
Cerebrovascular Accidents	13	31	12 - 60	21	33	13 - 53
Gastrointestinal Catastrophes	3	67	12 - 93	3	33	0 - 91
Infectious Disease	3	0	3 - 79	0	-	-
Metabolic/Electrolyte Disorders	10	20	5 - 59	6	50	1 - 79
Pulmonary Disease	37	19	15 - 42	29	17	10 - 40
Renal Failure	0	-	-	2	0	7 - 92
Severe Acute Heart Disease	15	47	18 - 65	18	44	24 - 68
Severe Chronic Heart Disease	12	8	6 - 47	26	15	14 - 44
Severe Trauma	1	100	0 - 98	0	-	-
Gastrointestinal Disease	31	3	0 - 30	25	4	0 - 51
Gynecologic Disease	3	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	41	7	0 - 35	37	3	0 - 25
Musculoskeletal/Skin Conditions	33	3	0 - 29	30	0	1 - 18
Neuropsychiatric/Sensory Disease	8	0	0 -100	6	0	0 -100
Urologic Disease	9	0	0 - 93	8	0	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	68
Occupancy Rate (%):	56
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	12
Percent of Physicians Who Are Board Certified Specialists:	92
Interns and Residents:	0
Registered Nurses:	15
Licensed Practical Nurses:	12

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

OHIO STATE UNIVERSITY HOSP

410 W 10TH AVE
COLUMBUS, OH 43210

Medicare Hospital Provider Number: 360085

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,278	8	9 - 13	3,281	8	9 - 13
Cancer	202	25	32 - 50	243	20	32 - 49
Cerebrovascular Accidents	43	23	15 - 41	41	22	14 - 41
Gastrointestinal Catastrophes	23	39	22 - 63	30	37	21 - 59
Infectious Disease	21	43	21 - 63	27	41	19 - 58
Metabolic/Electrolyte Disorders	33	9	8 - 36	26	12	12 - 43
Pulmonary Disease	75	20	15 - 36	67	15	20 - 40
Renal Failure	35	20	4 - 55	49	8	5 - 53
Severe Acute Heart Disease	95	28	23 - 44	81	27	28 - 49
Severe Chronic Heart Disease	116	13	16 - 30	102	14	15 - 31
Severe Trauma	15	27	13 - 60	13	23	8 - 58
Gastrointestinal Disease	145	0	2 - 5	150	2	2 - 8
Gynecologic Disease	18	0	0 -100	19	0	0 -100
Low-Risk Heart Disease	442	5	2 - 6	408	3	2 - 6
Musculoskeletal/Skin Conditions	186	4	0 - 11	187	2	1 - 7
Neuropsychiatric/Sensory Disease	303	0	1 - 5	297	0	0 - 4
Urologic Disease	142	1	0 - 9	148	1	0 - 13

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 831
Occupancy Rate (%): 76
Ownership/Control: State Government

STAFFING

Total Number of Physicians: 347
Percent of Physicians Who Are Board Certified Specialists: (not available)
Interns and Residents: 214
Registered Nurses: 917
Licensed Practical Nurses: 66

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: Yes
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: Yes
Hospice Care: No

OHIO VALLEY HOSPITAL

380 SUMMIT AVENUE
STEUBENVILLE, OH 43952

Medicare Hospital Provider Number: 360211

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,365	14	10 - 15	1,499	13	11 - 16
Cancer	44	50	31 - 62	46	52	29 - 60
Cerebrovascular Accidents	44	30	16 - 44	55	24	16 - 40
Gastrointestinal Catastrophes	6	83	13 - 74	17	41	12 - 59
Infectious Disease	15	27	17 - 62	21	19	20 - 57
Metabolic/Electrolyte Disorders	44	30	17 - 49	39	15	15 - 44
Pulmonary Disease	95	33	16 - 37	99	21	18 - 38
Renal Failure	5	60	7 - 82	6	50	8 - 80
Severe Acute Heart Disease	34	50	24 - 58	77	47	29 - 53
Severe Chronic Heart Disease	110	21	14 - 31	94	32	14 - 35
Severe Trauma	1	0	0 - 99	0	-	-
Gastrointestinal Disease	96	2	1 - 10	100	4	1 - 12
Gynecologic Disease	19	0	0 -100	11	0	0 -100
Low-Risk Heart Disease	171	1	2 - 6	228	3	1 - 7
Musculoskeletal/Skin Conditions	103	2	1 - 9	122	1	1 - 7
Neuropsychiatric/Sensory Disease	29	7	0 - 87	32	6	0 - 55
Urologic Disease	53	2	0 - 33	54	2	0 - 35

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	222
Occupancy Rate (%):	44
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	78
Percent of Physicians Who Are Board Certified Specialists:	69
Interns and Residents:	0
Registered Nurses:	176
Licensed Practical Nurses:	21

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

OVH OHIO VALLEY HOSPITAL
• One Ross Park
• Steubenville, Ohio 43952
• Area Code 614/283-7000

Ohio Valley Hosp.
ID#: 360211
October 20, 1988

COMMENTS ON MEDICARE HOSPITAL MORTALITY INFORMATION (1987)

Since the Ohio Valley Hospital has an up-to-date and state-of-the-art system for evaluating the quality of care provided at this facility, we welcome the opportunity to compare our findings with HCFA's. Among other things, our system includes a computer based outcome method that includes a sophisticated, research-proven severity of illness measure including other outcomes as well as mortality. Every discharge and every payment category is included. All the measurements are statistically verified and compared to a large, national data base.

In 1987, we had a total of 8,014 discharges. We had 224 deaths. Our overall mortality rate was 2.8% - well within the comparative range.

As reported by HCFA, our overall mortality rate was within the range of their predicted mortality even though the average severity for our Medicare patients was in the high range of our national comparative data base.

There was only one diagnostic category where we were above the predicted mortality range. HCFA's data indicates that our mortality rate for gastrointestinal catastrophies is narrowly above their predicted mortality calculations. First of all, there were only a total of six patients in this group. This means that if one patient had not died, we would have been well within the predicted range. Secondly, HCFA does not take into consideration how sick these patients were on admission. Since there were only a total of six patients in this group, we reviewed each case in detail. Of the five deaths, four were in Severity Group 3, very seriously ill patients who are very likely to go into organ failure or likely to die. Two of these four patients were in end-stage cirrhosis with hepatic failure, heptic encephalopathy, ascites, varices, and other comorbidities too numerous to mention. The third member of this group was a patient who had a massive infarction of the small and large bowel due to mesentaric thrombosis; an inevitable death. The fourth was a nursing home patient in the terminal phase of chronic obstructive pulmonary disease, with a transtracheal catheter, that was admitted to the Hospital with no blood pressure, secondary to a perforated peptic ulcer. Even though the family was reluctant to have any definitive treatment undertaken, the patient did have surgery to close the perforation. He withstood the surgery quite well, but died approximately a week later of various complications associated with his past and present serious, medical problems. The fifth patient was rated not as sick as the previous patients on admission, but he too had cirrhosis, hepatic failure, heptatic encephalopathy, hepatorenal syndrome, esophageal varices, renal failure, hypertension, etc. He had a cardiac arrest.

We are quite confident that similar analyses of the other diagnostic groups would produce the same results, but we will end this comment with a quote from HCFA's own letter, "....until we have developed additional statistical measures to deal with complex issues such as severity of illness, we cannot and do not recommend the use of the information by itself to make judgments about the quality of care in an individual hospital or to make comparisons among hospitals. Individual hospitals may have very good reasons for their rates being higher than the ranges predicted by HICFA's model."

Sincerely,

OHIO VALLEY HOSPITAL

Fred Brower

Fred B. Brower
President

DAB/dmf

OTTO C EPP MEMORIAL HOSPITAL

8000 KENWOOD ROAD
CINCINNATI, OH 45236

Medicare Hospital Provider Number: 360124

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	319	12	8 - 16	348	13	8 - 16
Cancer	7	43	10 - 74	6	50	6 - 75
Cerebrovascular Accidents	9	22	10 - 64	15	13	11 - 49
Gastrointestinal Catastrophes	3	33	3 - 86	2	50	0 - 96
Infectious Disease	8	75	12 - 70	1	0	0 - 98
Metabolic/Electrolyte Disorders	3	0	1 - 83	6	17	2 - 72
Pulmonary Disease	28	29	12 - 46	30	27	8 - 42
Renal Failure	2	0	0 - 93	2	50	7 - 96
Severe Acute Heart Disease	16	31	19 - 63	22	59	23 - 63
Severe Chronic Heart Disease	17	29	8 - 51	9	33	4 - 64
Severe Trauma	0	-	-	2	50	2 - 92
Gastrointestinal Disease	27	4	0 - 53	40	10	0 - 52
Gynecologic Disease	8	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	47	9	0 - 44	30	3	0 - 40
Musculoskeletal/Skin Conditions	41	0	0 - 18	53	2	0 - 24
Neuropsychiatric/Sensory Disease	3	0	0 -100	9	11	0 -100
Urologic Disease	6	0	0 -100	17	0	0 - 90

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	80
Occupancy Rate (%):	(not available)
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

OUR LADY OF MERCY HOSP

ROWAN HILL DR
CINCINNATI, OH 45227

Medicare Hospital Provider Number: 360001

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,190	11	10 - 14	2,106	11	10 - 14
Cancer	61	38	27 - 55	70	46	30 - 57
Cerebrovascular Accidents	93	22	17 - 36	98	22	17 - 36
Gastrointestinal Catastrophes	13	38	13 - 65	21	33	16 - 59
Infectious Disease	15	27	12 - 58	14	36	18 - 67
Metabolic/Electrolyte Disorders	37	16	13 - 43	22	14	13 - 48
Pulmonary Disease	146	21	18 - 34	114	18	16 - 34
Renal Failure	9	33	17 - 81	5	40	10 - 84
Severe Acute Heart Disease	83	45	28 - 51	74	45	28 - 52
Severe Chronic Heart Disease	144	24	14 - 30	110	19	16 - 32
Severe Trauma	4	50	6 - 83	7	43	10 - 75
Gastrointestinal Disease	176	1	2 - 6	173	5	1 - 9
Gynecologic Disease	25	0	0 -100	20	0	0 -100
Low-Risk Heart Disease	280	1	2 - 5	243	3	1 - 7
Musculoskeletal/Skin Conditions	219	2	1 - 7	216	2	1 - 6
Neuropsychiatric/Sensory Disease	54	0	1 - 11	53	2	0 - 22
Urologic Disease	109	0	0 - 6	115	3	0 - 13

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 198
Occupancy Rate (%): 70
Ownership/Control: Church

STAFFING

Total Number of Physicians: 136
Percent of Physicians Who Are Board Certified Specialists: 83
Interns and Residents: 0
Registered Nurses: 230
Licensed Practical Nurses: 34

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

PARKVIEW HOSPITAL

1920 PARKWOOD AVE
TOLEDO, OH 43624

Medicare Hospital Provider Number: 360119

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	755	9	7 - 12	741	11	8 - 13
Cancer	24	38	20 - 59	26	58	20 - 58
Cerebrovascular Accidents	17	29	7 - 51	29	48	15 - 51
Gastrointestinal Catastrophes	3	67	5 - 87	5	20	14 - 81
Infectious Disease	11	36	10 - 64	7	43	12 - 76
Metabolic/Electrolyte Disorders	8	0	3 - 51	13	15	6 - 52
Pulmonary Disease	23	13	8 - 40	30	13	9 - 37
Renal Failure	3	33	5 - 88	4	50	9 - 88
Severe Acute Heart Disease	25	36	22 - 59	18	28	18 - 59
Severe Chronic Heart Disease	43	33	10 - 39	36	28	11 - 41
Severe Trauma	0	-	-	2	100	2 - 89
Gastrointestinal Disease	70	0	1 - 8	66	2	0 - 15
Gynecologic Disease	9	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	125	4	1 - 10	111	1	1 - 7
Musculoskeletal/Skin Conditions	85	1	1 - 9	74	0	0 - 9
Neuropsychiatric/Sensory Disease	31	0	0 - 31	17	0	0 - 85
Urologic Disease	39	0	0 - 15	31	0	0 - 20

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	130
Occupancy Rate (%):	56
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	72
Percent of Physicians Who Are Board Certified Specialists:	43
Interns and Residents:	14
Registered Nurses:	115
Licensed Practical Nurses:	45

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

PARMA COMMUNITY GENERAL HOSPITAL

7007 POWERS BOULEVARD
PARMA, OH 44129

Medicare Hospital Provider Number: 360041

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,315	13	10 - 14	3,300	13	10 - 14
Cancer	105	45	28 - 51	108	38	31 - 54
Cerebrovascular Accidents	139	27	18 - 35	137	27	19 - 36
Gastrointestinal Catastrophes	36	25	20 - 53	21	43	15 - 59
Infectious Disease	27	37	19 - 57	29	7	20 - 47
Metabolic/Electrolyte Disorders	33	21	12 - 45	31	26	8 - 44
Pulmonary Disease	175	30	20 - 37	145	32	18 - 37
Renal Failure	10	40	10 - 74	13	38	13 - 73
Severe Acute Heart Disease	166	48	30 - 48	175	51	31 - 48
Severe Chronic Heart Disease	263	27	15 - 28	244	27	17 - 31
Severe Trauma	5	40	2 - 79	4	25	7 - 81
Gastrointestinal Disease	214	0	2 - 6	242	2	1 - 6
Gynecologic Disease	39	0	0 -100	40	0	0 -100
Low-Risk Heart Disease	502	3	2 - 5	462	3	2 - 5
Musculoskeletal/Skin Conditions	362	3	1 - 6	367	3	1 - 6
Neuropsychiatric/Sensory Disease	31	0	0 - 35	43	2	0 - 50
Urologic Disease	155	1	0 - 8	169	1	0 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	315
Occupancy Rate (%):	72
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	139
Percent of Physicians Who Are Board Certified Specialists:	62
Interns and Residents:	0
Registered Nurses:	287
Licensed Practical Nurses:	132

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

PAULDING COUNTY HOSPITAL

ROUTE 2
PAULDING, OH 45879

Medicare Hospital Provider Number: 360136

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	243	12	10 - 19	287	9	10 - 17
Cancer	4	25	6 - 80	6	67	16 - 81
Cerebrovascular Accidents	7	0	12 - 56	5	0	5 - 63
Gastrointestinal Catastrophes	2	100	8 - 92	2	0	0 - 93
Infectious Disease	6	50	7 - 76	9	22	10 - 65
Metabolic/Electrolyte Disorders	2	0	4 - 89	2	0	0 - 98
Pulmonary Disease	30	30	16 - 50	32	19	12 - 41
Renal Failure	4	50	11 - 89	3	33	9 - 91
Severe Acute Heart Disease	9	33	15 - 71	10	30	20 - 73
Severe Chronic Heart Disease	17	6	10 - 40	22	18	10 - 45
Severe Trauma	0	-	-	1	0	0 - 97
Gastrointestinal Disease	33	0	1 - 17	34	3	1 - 23
Gynecologic Disease	3	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	32	3	1 - 24	29	3	0 - 44
Musculoskeletal/Skin Conditions	10	0	0 -100	17	0	0 - 69
Neuropsychiatric/Sensory Disease	5	0	0 -100	5	0	0 -100
Urologic Disease	16	13	0 - 60	19	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	47
Occupancy Rate (%):	30
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	29
Licensed Practical Nurses:	16

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

PEOPLES HOSPITAL INC

597 PARK AVENUE EAST
MANSFIELD, OH 44905

Medicare Hospital Provider Number: 360166

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	318	8	6 - 13	339	10	6 - 13
Cancer	10	30	17 - 71	10	50	16 - 72
Cerebrovascular Accidents	11	9	8 - 50	11	9	10 - 52
Gastrointestinal Catastrophes	2	50	5 - 93	2	0	3 - 88
Infectious Disease	1	100	1 - 97	0	-	-
Metabolic/Electrolyte Disorders	13	23	8 - 57	11	18	6 - 57
Pulmonary Disease	15	13	5 - 46	12	33	7 - 59
Renal Failure	2	0	2 - 89	1	100	1 - 97
Severe Acute Heart Disease	5	20	4 - 74	5	20	11 - 78
Severe Chronic Heart Disease	16	19	5 - 47	14	36	4 - 55
Severe Trauma	1	0	0 - 99	0	-	-
Gastrointestinal Disease	31	0	0 - 28	40	7	0 - 68
Gynecologic Disease	10	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	54	2	0 - 17	40	5	0 - 36
Musculoskeletal/Skin Conditions	17	0	0 - 92	23	0	0 - 63
Neuropsychiatric/Sensory Disease	6	0	0 -100	5	0	0 -100
Urologic Disease	7	29	0 -100	16	0	0 - 98

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	111
Occupancy Rate (%):	29
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	119
Percent of Physicians Who Are Board Certified Specialists:	60
Interns and Residents:	0
Registered Nurses:	34
Licensed Practical Nurses:	18

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

PIKE CO HOSP

DAWN LANE
WAVERLY, OH 45690

Medicare Hospital Provider Number: 360047

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	358	14	12 - 20	425	16	11 - 19
Cancer	4	50	18 - 96	5	80	14 - 80
Cerebrovascular Accidents	23	22	14 - 49	13	31	10 - 59
Gastrointestinal Catastrophes	1	100	2 - 97	0	-	-
Infectious Disease	2	50	4 - 93	4	25	4 - 80
Metabolic/Electrolyte Disorders	9	11	9 - 59	16	19	7 - 51
Pulmonary Disease	50	26	17 - 44	54	37	15 - 43
Renal Failure	4	75	8 - 85	3	67	8 - 90
Severe Acute Heart Disease	8	13	17 - 68	17	41	19 - 64
Severe Chronic Heart Disease	30	30	13 - 47	28	29	13 - 46
Severe Trauma	0	-	-	1	0	1 - 97
Gastrointestinal Disease	19	0	0 - 38	24	4	0 - 81
Gynecologic Disease	1	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	46	4	1 - 21	50	2	1 - 14
Musculoskeletal/Skin Conditions	39	5	0 - 38	31	6	0 - 63
Neuropsychiatric/Sensory Disease	6	0	0 -100	11	0	0 - 58
Urologic Disease	2	0	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 47
Occupancy Rate (%): 43
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 42
Percent of Physicians Who Are Board Certified Specialists: 55
Interns and Residents: 0
Registered Nurses: 21
Licensed Practical Nurses: 8

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

PIQUA MEM HOSP

624 PARK AVE
PIQUA, OH 45356

Medicare Hospital Provider Number: 360149

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,156	12	10 - 15	1,065	13	10 - 15
Cancer	25	44	22 - 61	17	59	19 - 64
Cerebrovascular Accidents	56	39	19 - 45	42	38	17 - 47
Gastrointestinal Catastrophes	8	50	13 - 75	6	0	15 - 66
Infectious Disease	15	27	16 - 61	9	22	11 - 66
Metabolic/Electrolyte Disorders	17	18	7 - 49	12	25	11 - 61
Pulmonary Disease	91	23	16 - 36	71	24	12 - 35
Renal Failure	3	67	10 - 92	5	40	10 - 85
Severe Acute Heart Disease	35	43	27 - 60	45	42	28 - 58
Severe Chronic Heart Disease	90	18	15 - 33	94	30	14 - 34
Severe Trauma	2	50	1 - 94	2	0	0 - 93
Gastrointestinal Disease	79	0	1 - 7	80	0	1 - 7
Gynecologic Disease	19	0	0 -100	17	0	0 -100
Low-Risk Heart Disease	158	4	1 - 9	158	1	2 - 7
Musculoskeletal/Skin Conditions	124	6	1 - 13	79	0	1 - 7
Neuropsychiatric/Sensory Disease	30	3	0 - 65	26	12	0 - 94
Urologic Disease	41	0	0 - 22	51	0	0 - 13

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 149
Occupancy Rate (%): 54
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 42
Percent of Physicians Who Are Board Certified Specialists: 60
Interns and Residents: 0
Registered Nurses: 112
Licensed Practical Nurses: 19

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

UPPER
VALLEY
MEDICAL
CENTER

October 21, 1988

William L. Roper, M.D.
Administrator
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2, - D - 2
6325 Security Boulevard
Baltimore, Maryland 21207

Re: Medicare Hospital Mortality Data, 1987 Discharges, Piqua Memorial Medical Center - Medicare Provider #360149

Dear Dr. Roper:

The overview statistics for Piqua Memorial Medical Center show that the mortality rates by diagnostic categories all fall within the predicted ranges.

All inpatient, emergency room, and dead on arrival deaths have physician review and no unanticipated deaths occurred in the Medicare population during 1987.

No quality or other conclusions are being extrapolated from these statistics.

Sincerely,

J Nickras

Judith G. Nickras, M.D.
Director, Quality Assurance, UVMC

JGN/clw

POTTERS MEDICAL CTR

322 W 6TH ST
EAST LIVERPOOL, OH 43920

Medicare Hospital Provider Number: 360238

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	122	7	3 - 14	101	4	6 - 16
Cancer	3	33	4 - 86	1	100	1 -100
Cerebrovascular Accidents	0	-	-	2	0	1 - 92
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	1	100	2 - 97	0	-	-
Metabolic/Electrolyte Disorders	1	0	0 - 97	2	0	1 - 91
Pulmonary Disease	3	33	3 - 86	7	0	8 - 54
Renal Failure	0	-	-	2	50	6 - 99
Severe Acute Heart Disease	3	33	7 - 88	4	25	7 - 81
Severe Chronic Heart Disease	7	29	3 - 69	7	14	8 - 65
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	3	0	0 -100	6	0	0 - 98
Gynecologic Disease	1	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	17	0	0 - 45	8	0	0 - 98
Musculoskeletal/Skin Conditions	39	3	0 - 72	30	0	0 - 88
Neuropsychiatric/Sensory Disease	1	0	0 -100	5	0	0 -100
Urologic Disease	7	0	0 - 99	7	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	43
Occupancy Rate (%):	56
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

PROVIDENCE HOSP

1912 SOUTH HAYES AVE
SANDUSKY, OH 44870

Medicare Hospital Provider Number: 360024

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,407	11	9 - 14	1,479	11	9 - 14
Cancer	25	44	22 - 61	31	32	23 - 58
Cerebrovascular Accidents	46	28	18 - 45	33	39	15 - 48
Gastrointestinal Catastrophes	16	25	13 - 58	14	43	11 - 62
Infectious Disease	13	23	16 - 63	13	38	10 - 62
Metabolic/Electrolyte Disorders	37	27	12 - 46	21	14	10 - 47
Pulmonary Disease	92	25	16 - 37	106	24	17 - 37
Renal Failure	3	33	7 - 89	3	33	8 - 90
Severe Acute Heart Disease	41	41	22 - 52	42	29	25 - 54
Severe Chronic Heart Disease	72	24	17 - 37	71	30	16 - 39
Severe Trauma	1	0	0 - 98	4	0	5 - 72
Gastrointestinal Disease	97	2	1 - 10	106	3	1 - 10
Gynecologic Disease	13	0	0 -100	6	0	0 - 81
Low-Risk Heart Disease	173	4	1 - 9	181	4	1 - 8
Musculoskeletal/Skin Conditions	152	6	1 - 11	158	2	1 - 7
Neuropsychiatric/Sensory Disease	38	0	1 - 14	48	2	0 - 31
Urologic Disease	73	4	0 - 24	57	2	0 - 28

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	215
Occupancy Rate (%):	54
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	104
Percent of Physicians Who Are Board Certified Specialists:	62
Interns and Residents:	0
Registered Nurses:	117
Licensed Practical Nurses:	64

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

PH
PROVIDENCE HOSPITAL, Inc.
1912 HAYES AVE., SANDUSKY, OHIO 44870 (419)625-8450
Sisters of St. Francis

October 10, 1988 Medicare Provider No. 36-0024

Health Standards and Quality Bureau, HCFA
Mrs. Sandra Kappert
2-0-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Providence Hospital appreciates the opportunity to respond to HCFA regarding release of mortality data for the 1987 calendar year.

MORTALITY DATA: The patient population and diagnostic information attributed to Providence Hospital is correct.

HOSPITAL CHARACTERISTICS DATA: There are three inaccuracies in the information displayed:

1. The number of beds should be 215, not 125;
2. We do not have an organ transplant service;
3. The percent of physicians who are board certified specialists is 62%, not 51%.

From our data, it appears that all indicated deaths are well within the range for predicted mortality. This was the case regarding the 1986 data released last year as well. We note this despite the fact that Providence Hospital has the only hemodialysis unit in the area and is one of only a few hospitals in the state with an in-house skilled nursing facility. Medicare patients comprise 48% of our admissions.

Our hospital's board of trustees, medical staff and management team are committed to the goal of providing quality care. We are not complacent about being "within the norms." Each mortality is reviewed in depth through our quality assessment structure. We continually seek ways to improve care whenever possible.

"FRIENDLY PROFESSIONALS PROVIDING PERSONAL CARE"

Health Standards and Quality Bureau, HCFA
Mrs. Sandra Kappert
October 10, 1988
Page 2

The general public needs to know that mortality data may be an indicator of quality, but this is merely a possibility. The public has no way of knowing whether the patients themselves in a given institution differed from the average or whether the care differed from the norm. I feel it is unfounded to draw many conclusions about quality of care from a particular hospital's data as presented.

Thank you for this opportunity to comment.

Very sincerely yours,

Sister Nancy Linenkugel

Sister Nancy Linenkugel, OSF
President

c: H. John Hildebrandt, Chairman, Board of Trustees
Howard C. Smith, M.D., Medical Staff President
Professional Affairs Committee

PROVIDENCE HOSP

2446 KIPLING AVE
CINCINNATI, OH 45239

Medicare Hospital Provider Number: 360234

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,126	11	10 - 14	2,781	12	10 - 14
Cancer	132	45	30 - 52	115	43	28 - 51
Cerebrovascular Accidents	130	24	19 - 36	82	29	17 - 39
Gastrointestinal Catastrophes	20	30	17 - 59	28	32	16 - 53
Infectious Disease	24	42	22 - 62	25	28	24 - 62
Metabolic/Electrolyte Disorders	26	19	11 - 47	41	17	12 - 42
Pulmonary Disease	163	20	17 - 33	100	27	17 - 37
Renal Failure	10	70	21 - 83	5	40	14 - 89
Severe Acute Heart Disease	127	29	28 - 47	125	40	30 - 50
Severe Chronic Heart Disease	189	18	17 - 30	173	20	16 - 30
Severe Trauma	5	60	3 - 78	7	14	6 - 66
Gastrointestinal Disease	262	3	2 - 7	238	5	1 - 8
Gynecologic Disease	29	0	0 -100	29	7	0 -100
Low-Risk Heart Disease	366	4	2 - 6	339	3	2 - 6
Musculoskeletal/Skin Conditions	326	4	1 - 7	317	2	1 - 5
Neuropsychiatric/Sensory Disease	70	1	1 - 11	86	3	0 - 14
Urologic Disease	122	2	0 - 14	95	0	0 - 8

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	372
Occupancy Rate (%):	58
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	319
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	278
Licensed Practical Nurses:	90

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

Providence Hospital
2446 Kipling Avenue
Cincinnati, Ohio 45239
513/853-5000

October 21, 1988

Providence Hospital
360234

William L. Roper, M.D.
Administrator
Health Care Financing Administration
Department of Health & Human Services
Washington, D.C. 20201

Dear Dr. Roper:

Although the HCFA 1987 Mortality data show that Providence Hospital falls within expected ranges in all disease categories, we have a profound disagreement with HCFA regarding the intended use of these statistics.

First, "quality" cannot be quantified or determined solely by the number of deaths in an institution. The data you have do not define quality, as you already have stated in your letter to each institution.

Second, the data are not complete, are inconsistent, and cannot be used to make any type of statistical comparisons or decisions. Your instructions to each institution have stated that one cannot draw conclusions from the data; given that the statistics are to be presented to many readers, this impairment should be highlighted to a great extent. The use of a "warning" would be appropriate.

The apparent purpose of HCFA data is to compare actual death rate in a given institution to expected death rate given certain specific parameters. But, only HCFA knows who and what were included in the data. The information provided has only limited patient characteristics. Conclusions regarding our particular institution cannot be made given this limited information.

If HCFA releases "mortality data," Providence Hospital makes the following recommendations:

1. Be consistent; use the same language throughout the system. That is, use DRG language as opposed to the proposed terminology.

2. Limit the deaths included in the report to those that actually occurred in the facility. Those occurring outside the facility, within 30 days of discharge may have additional, unrelated causes.

3. The statistical model needs to be less complicated so that those who receive it, including the public, have a better chance to understand it.

In conclusion, Providence Hospital agrees with the underlying effort by HCFA to enhance the quality of care provided by hospitals. **We stand by the care given our patients and the services we provide.** We believe that HCFA, however, is doing a great disservice to the families of patients included in the study. Their anxiety, anguish and potential guilt feelings that may be generated by misinformation supplied by HCFA should not be permitted to occur. As in any effort to monitor quality, the methods of analyzing and communicating the findings need to be carefully considered.

Thank you for the opportunity to comment on HCFA's mortality report.

Sincerely,

Michael A. Banks
Chief Operating Officer

MAB/krk

RICHMOND HEIGHTS GENERAL HOSPITAL

27100 CHARDON ROAD
RICHMOND HEIGHTS, OH 44143

Medicare Hospital Provider Number: 360162

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,295	9	8 - 13	1,346	11	10 - 14
Cancer	27	37	19 - 57	42	38	27 - 58
Cerebrovascular Accidents	44	27	15 - 43	55	27	15 - 40
Gastrointestinal Catastrophes	8	13	15 - 68	9	33	10 - 68
Infectious Disease	14	29	11 - 59	11	55	18 - 73
Metabolic/Electrolyte Disorders	3	33	4 - 86	17	41	17 - 63
Pulmonary Disease	79	18	15 - 35	90	18	14 - 34
Renal Failure	3	33	10 - 93	7	43	13 - 83
Severe Acute Heart Disease	38	45	24 - 56	53	43	24 - 52
Severe Chronic Heart Disease	71	25	14 - 36	74	20	14 - 34
Severe Trauma	2	50	1 - 93	5	0	10 - 68
Gastrointestinal Disease	90	2	1 - 10	100	3	1 - 11
Gynecologic Disease	12	0	0 -100	17	0	0 -100
Low-Risk Heart Disease	201	1	2 - 6	194	3	1 - 7
Musculoskeletal/Skin Conditions	141	3	0 - 11	141	1	0 - 7
Neuropsychiatric/Sensory Disease	30	0	0 - 20	35	0	0 - 18
Urologic Disease	67	0	0 - 13	68	1	0 - 15

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	138
Occupancy Rate (%):	55
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	107
Percent of Physicians Who Are Board Certified Specialists:	60
Interns and Residents:	23
Registered Nurses:	65
Licensed Practical Nurses:	52

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

Richmond Heights
General Hospital
27100 Chardon Road
Richmond Heights, Ohio 44143
(216) 585-6500

NICHOLAS W. ZINNI
President
Chief Executive Officer

October 21, 1988

Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Attention: Mrs. Sandra Kappert

Dear Mrs. Kappert:

Richmond Heights General Hospital has received and reviewed the HCFA Medicare Mortality Rate Profile for this institution and welcomes the opportunity to comment on the same.

Review of the data provided demonstrates Richmond Heights General Hospital to be within the predicated mortality rates for each of the categories listed.

Reviewing specific categories of interest, those being predominately of high risk, both of Acute Heart Disease and Severe Chronic Heart Disease, were found to include many patients with significantly progressive comorbities for each patient reviewed. Typically, the secondary diagnosis impacted greatly on the patient's outcome and many times was the actual cause of death in those patients with severe chronic heart disease processes.

Richmond Heights General Hospital, under the approval and support of the Board of Trustees and the Medical Staff, continuously monitors and professionally evaluates the quality and appropriateness of medical care rendered to our patients. Any opportunity to improve the quality of care is implemented immediately in accordance with the Hospital's Rules, Regulations and Bylaws. We feel the data collected for 1986 and 1987 further collaborates Richmond Heights General Hospital's significant efforts to deliver to all its patients the optimum level of care one can expect within the health care delivery system.

"WHERE MEDICINE IS STILL A PERSONAL EXPERIENCE"

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
October 21, 1988
Page two

Richmond Heights General Hospital and its Board of Trustees commends and endorses the Health Care Financing Administration in its efforts to promote both consumer education and public awareness of the quality of health care available to the public.

We encourage HCFA to continue to work closely with all hospitals, the AOA, AMA and JCAH in its efforts to evaluate and improve the quality of care for all American citizens.

Very truly yours,

N. W. Zinni

Nicholas W. Zinni
President and
Chief Executive Officer

NWZ:tc

RIVERSIDE HOSPITAL

1600 SUPERIOR STREET
TOLEDO, OH 43604

Medicare Hospital Provider Number: 360094

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,458	12	9 - 14	1,422	12	9 - 14
Cancer	29	31	21 - 56	27	44	25 - 63
Cerebrovascular Accidents	41	24	14 - 42	47	38	17 - 45
Gastrointestinal Catastrophes	9	56	10 - 69	11	36	14 - 68
Infectious Disease	11	55	15 - 69	19	21	21 - 60
Metabolic/Electrolyte Disorders	64	38	18 - 48	48	38	15 - 47
Pulmonary Disease	78	32	16 - 39	54	17	12 - 36
Renal Failure	10	40	10 - 73	4	50	3 - 84
Severe Acute Heart Disease	48	50	23 - 52	50	56	28 - 56
Severe Chronic Heart Disease	99	17	14 - 31	85	19	15 - 34
Severe Trauma	4	0	3 - 72	5	20	4 - 75
Gastrointestinal Disease	104	7	1 - 15	114	4	1 - 11
Gynecologic Disease	12	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	189	2	1 - 7	172	2	1 - 7
Musculoskeletal/Skin Conditions	149	1	1 - 6	137	2	0 - 9
Neuropsychiatric/Sensory Disease	47	2	0 - 32	69	1	0 - 18
Urologic Disease	71	7	0 - 53	71	1	0 - 14

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	254
Occupancy Rate (%):	63
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	133
Percent of Physicians Who Are Board Certified Specialists:	57
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

RIVERSIDE HOSPITAL
A RIVERSIDE HEALTH GROUP MEMBER

October 19, 1988

William Roper, M.D.
c/o Health Care Financing Administration
6325 Security Blvd.
Baltimore, MD 21207

RE: 360094

Dear Dr. Roper:

The mortality data for Medicare recipients at our facility was reviewed with the following comments:

- The dates/location of death was incorrect in two (2) cases.
- The presence and impact of multiple and complex diagnosis can not be appreciated thru the use of one or two ICD-9-CM Codes.
- The exclusion of admissions prior to the final admission in the same calendar year does not recognize successful management of those episodes and falsely reduces the denominator.
- The hospital characteristics were significantly understated in number of beds, total number of physicians and percent of physicians who are Board Certified Specialists.
- Our facility does not have an organ transplant service.

Under hospital characteristics the following corrections are submitted:

- Beds (#) - 271
- Staffing
  Total number of physicians - 387
  Percent of physicians who are Board Certified - 53%
- Specialty Service
  Organ Transplant Service - No

Sincerely,

Marlene Koskela

Marlene Koskela, R.N., BSN
Director, Quality Review

MK/vm

Riverside Hospital
1600 North Superior Street
Toledo, Ohio 43604
Telephone 419 729-6000

RIVERSIDE METHODIST HOSPITAL

3535 OLENTANGY RIVER RD
COLUMBUS, OH 43214

Medicare Hospital Provider Number: 360006

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	7,069	10	10 - 13	7,064	10	10 - 14
Cancer	301	35	32 - 50	240	32	33 - 51
Cerebrovascular Accidents	199	25	19 - 34	217	24	20 - 34
Gastrointestinal Catastrophes	62	44	22 - 52	76	33	21 - 49
Infectious Disease	70	34	24 - 50	54	44	25 - 56
Metabolic/Electrolyte Disorders	74	26	15 - 41	64	30	14 - 43
Pulmonary Disease	217	25	20 - 36	250	28	20 - 36
Renal Failure	32	28	17 - 66	47	38	16 - 65
Severe Acute Heart Disease	277	33	29 - 44	299	30	30 - 44
Severe Chronic Heart Disease	326	19	16 - 27	280	24	18 - 31
Severe Trauma	21	38	15 - 59	9	44	5 - 68
Gastrointestinal Disease	439	3	2 - 6	496	4	2 - 6
Gynecologic Disease	56	0	0 - 99	50	0	0 - 88
Low-Risk Heart Disease	1,235	3	3 - 6	1,085	2	3 - 5
Musculoskeletal/Skin Conditions	671	1	1 - 4	686	1	1 - 4
Neuropsychiatric/Sensory Disease	243	2	1 - 7	265	3	1 - 7
Urologic Disease	423	1	0 - 5	367	2	1 - 5

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	853
Occupancy Rate (%):	82
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	454
Percent of Physicians Who Are Board Certified Specialists:	79
Interns and Residents:	114
Registered Nurses:	910
Licensed Practical Nurses:	99

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

RIVERSIDE METHODIST HOSPITALS

Erie Chapman, J.D.

3535 Olentangy River Rd.
Columbus, Ohio 43214
(614) 261-5000

Medicare Provider #
360006

October 21, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert:

Riverside Methodist Hospitals, its Board of Directors, Administration and Medical Staff are committed to the ongoing provision of excellent health care services to the community (communities) we serve. We support the provision of reliable information to the health care consumers so that they may make informed choices concerning their health care needs and we encourage the further development of meaningful measures of health care quality.

We caution the reviewer of the HCFA Medicare Mortality Information against using these statistics to make judgements about the quality of care at Riverside Methodist Hospitals or any other provider institution. The statistical methods used to predict the mortality rates indicate only that a hospital's mortality rates may differ from the average (as the HCFA model defines average). These methods cannot establish "why" rates differ among hospitals or within a single hospital from year to year. Additionally, the HCFA model continues to ignore a wide range of factors which are generally accepted as having an impact on mortality. Severity of the patient's illness is an important example.

We believe that significant efforts have been made in the past year to improve the validity of HCFA information. We applaud these efforts and encourage continued improvements.

We join with other U.S. Health affiliated hospitals in pledging a unified commitment to patient care excellence and to the provision of meaningful health care information to the public we serve.

Riverside Methodist Hospitals has reviewed those statistics cited as reported in the 1986 American Hospital Association Survey. Recognizing that 1987 data is planned for the report to be issued in December, the following corrections are offered. This data reflects the survey responses sent to AHA for October 1, 1986-September 30, 1987.

Medicare Provider #
360006

SURVEY	RESPONSE
BEDS (#) (includes neonatal and swing beds)	843
OCCUPANCY RATE	81.9%
OWNERSHIP/CONTROL	Church
STAFFING	
TOTAL NUMBER OF PHYSICIANS (includes Active and Associate)	454
PERCENT OF PHYSICIANS WHO ARE BOARD CERTIFIED SPECIALISTS	79%
INTERNS AND RESIDENTS PER BED (includes full-time and one-half of part-time)	0.14
REGISTERED NURSES PER BED (includes full-time and one-half of part-time)	1.08
LICENSED PRACTICAL NURSES PER BED (includes full-time and one-half of part-time)	0.12
SPECIALTY SERVICES	
SHOCK/TRAUMA OR BURN UNIT	Yes
CORONARY CARE UNIT	Yes
ORGAN TRANSPLANT SERVICE	No
HOSPICE CARE	Yes

Sincerely,

Erie Chapman

Erie Chapman, JD
President and
Chief Executive Officer

EC/dw

ROBINSON MEMORIAL HOSPITAL

6847 N CHESTNUT
RAVENNA, OH 44266

Medicare Hospital Provider Number: 360078

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,783	11	10 - 14	1,814	13	9 - 14
Cancer	37	49	24 - 58	31	48	26 - 62
Cerebrovascular Accidents	84	15	19 - 36	79	30	16 - 38
Gastrointestinal Catastrophes	18	33	17 - 62	18	39	12 - 58
Infectious Disease	32	25	23 - 56	15	40	15 - 64
Metabolic/Electrolyte Disorders	23	30	8 - 49	27	30	8 - 46
Pulmonary Disease	92	25	15 - 36	112	20	13 - 32
Renal Failure	5	20	5 - 78	7	57	11 - 80
Severe Acute Heart Disease	78	50	28 - 52	79	47	28 - 52
Severe Chronic Heart Disease	100	19	13 - 30	112	19	15 - 32
Severe Trauma	4	50	4 - 82	4	25	6 - 81
Gastrointestinal Disease	125	3	1 - 10	142	4	1 - 10
Gynecologic Disease	17	0	0 -100	11	0	0 -100
Low-Risk Heart Disease	300	2	2 - 6	274	1	1 - 5
Musculoskeletal/Skin Conditions	162	1	1 - 6	157	4	0 - 11
Neuropsychiatric/Sensory Disease	59	0	0 - 13	38	3	0 - 43
Urologic Disease	61	0	1 - 10	73	1	0 - 12

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	285
Occupancy Rate (%):	50
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	115
Percent of Physicians Who Are Board Certified Specialists:	57
Interns and Residents:	0
Registered Nurses:	271
Licensed Practical Nurses:	74

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

ROBINSON
Memorial Hospital

6847 N. Chestnut Street
P.O. Box 1204
Ravenna, Ohio 44266-1204
216-297-0811

Ralph W. Kletzien
President and
Chief Executive Officer

October 21, 1988

Medicare Provider
Number 360078

Health Standards & Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
635 Security Boulevard
Baltimore, Maryland 21207

RE: Robinson Memorial Hospital

Dear Mrs. Kappert:

Please be advised that I am in receipt of the letter from William H. Roper, M.D. dated September 15, 1988 concerning the release of mortality information about all acute care hospitals which treated Medicare patients in 1987. On Page 2 of that letter, it is noted that HCFA plans to publish information about each hospital, such as bed size and other hospital characteristics. These hospital characteristics were obtained from data contained in the American Hospital Association's Annual Survey of Hospital files.

Although the letter notes that HCFA's plans are to release the 1987 Annual Survey data, the purpose of this letter is to advise you that the Hospital characteristics contained in the Medicare Hospital Mortality information for Robinson Memorial Hospital is not accurate in several respects. The correct data for the items noted below are as follows:

(1)	Beds	325
(2)	Percentage of Physicians who are Board Certified Specialists	57%
(3)	Nurses per bed	1.39

Please find enclosed a copy of Robinson Memorial Hospital's 1986 Annual AHA Survey. It is requested that you correct your data. If you have any questions, please contact me.

Sincerely,

RW Kletzien

Ralph W. Kletzien
President and
Chief Executive Officer

RWK:ld271

SALEM COMMUNITY HOSPITAL

1995 EAST STATE STREET
SALEM, OH 44460

Medicare Hospital Provider Number: 360185

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,944	14	11 - 15	1,805	14	10 - 15
Cancer	41	51	29 - 62	37	46	27 - 60
Cerebrovascular Accidents	86	24	19 - 39	78	33	18 - 41
Gastrointestinal Catastrophes	19	26	16 - 58	15	40	12 - 61
Infectious Disease	19	42	18 - 62	20	55	20 - 64
Metabolic/Electrolyte Disorders	33	39	18 - 54	28	39	13 - 52
Pulmonary Disease	119	21	17 - 35	103	23	16 - 36
Renal Failure	2	100	8 - 92	6	83	19 - 86
Severe Acute Heart Disease	96	49	27 - 50	86	38	30 - 52
Severe Chronic Heart Disease	141	30	15 - 32	128	30	16 - 34
Severe Trauma	1	0	0 - 99	1	0	0 - 98
Gastrointestinal Disease	150	3	1 - 9	166	5	1 - 10
Gynecologic Disease	23	0	0 -100	15	0	0 -100
Low-Risk Heart Disease	313	3	2 - 6	275	3	2 - 6
Musculoskeletal/Skin Conditions	132	3	1 - 10	133	3	1 - 9
Neuropsychiatric/Sensory Disease	52	2	1 - 15	33	0	0 - 21
Urologic Disease	94	2	0 - 12	79	1	0 - 15

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	237
Occupancy Rate (%):	49
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	55
Percent of Physicians Who Are Board Certified Specialists:	64
Interns and Residents:	0
Registered Nurses:	125
Licensed Practical Nurses:	77

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SALEM COMMUNITY HOSPITAL

ADMINISTRATOR: R. F. RICE

PHONE: 216-332-1551

MEDICARE PROVIDER NUMBER 360185

COMMENTS: MORTALITY INFORMATION

SALEM COMMUNITY HOSPITAL
1995 East State Street
Salem, Ohio 44460

Salem Community Hospital is within the predicted range for mortality in each of the sixteen diagnostic categories, with the exception of Renal Failure.

In the Renal Failure category, there were two patients listed with this diagnosis. After carefully reviewing the mortality information, our records indicate that one of the two patients had been identified incorrectly and expired as the result of a cerebrovascular accident, or stroke. The other patient, under the Renal Failure diagnostic category, did unfortunately expire. However, it should also be noted that the patient had other complications resulting from multiple systems failure. Because we had one patient who did expire in the Renal Failure category, our mortality rate will remain at 100% for this diagnosis.

SAMARITAN HOSP

1025 CENTER ST
ASHLAND, OH 44805

Medicare Hospital Provider Number: 360002

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	721	12	9 - 15	810	11	9 - 15
Cancer	8	50	7 - 69	13	31	15 - 64
Cerebrovascular Accidents	27	30	13 - 48	36	31	15 - 45
Gastrointestinal Catastrophes	6	50	5 - 75	6	67	11 - 77
Infectious Disease	11	55	12 - 67	11	45	10 - 65
Metabolic/Electrolyte Disorders	17	24	10 - 54	25	20	11 - 47
Pulmonary Disease	40	30	13 - 43	40	25	13 - 42
Renal Failure	1	100	2 - 97	1	100	0 - 99
Severe Acute Heart Disease	60	35	28 - 54	52	15	31 - 53
Severe Chronic Heart Disease	33	21	9 - 39	42	17	10 - 35
Severe Trauma	1	0	1 - 97	0	-	-
Gastrointestinal Disease	66	2	1 - 11	62	2	0 - 13
Gynecologic Disease	9	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	92	3	1 - 11	116	3	1 - 10
Musculoskeletal/Skin Conditions	77	1	0 - 13	81	5	0 - 24
Neuropsychiatric/Sensory Disease	6	0	0 -100	10	0	0 -100
Urologic Disease	48	6	0 - 69	35	0	0 - 25

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	96
Occupancy Rate (%):	39
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	33
Percent of Physicians Who Are Board Certified Specialists:	70
Interns and Residents:	0
Registered Nurses:	64
Licensed Practical Nurses:	26

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Samaritan Hospital
1025 Center St.
Ashland, Ohio 44805-4098
(419) 289-0491

WILLIAM C. KELLEY, JR.
PRESIDENT

HOSPITAL #: 360002

October 21, 1988

1. All but one(1) death listed for the purpose of the H.C.F.A. Medicare Hospital Mortality Information Study has been verified.

2. The actual mortality rate of all cases is not high with the exception of Renal Failure. Because there is only one case in this category, it is statistically insignificant, therefore, making predictability of an expected mortality rate uncertain.

3. Hospital characteristics from the AHA 1986 Survey should be:

   - Beds(#): 96
   - Percent of physicians who are Board Certified Specialists: 63%
   - Coronary Care Unit: Mixed ICU/CCU

SELBY GEN HOSP

1106 COLEGATE DR
MARIETTA, OH 45750

Medicare Hospital Provider Number: 360178

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	277	15	10 - 19	280	18	11 - 21
Cancer	4	75	10 - 83	5	60	7 - 78
Cerebrovascular Accidents	9	44	6 - 66	11	45	9 - 63
Gastrointestinal Catastrophes	4	25	6 - 81	3	0	2 - 80
Infectious Disease	3	67	4 - 86	3	0	5 - 79
Metabolic/Electrolyte Disorders	3	67	6 - 87	6	33	2 - 74
Pulmonary Disease	25	20	14 - 48	30	43	15 - 51
Renal Failure	1	0	3 -100	10	30	16 - 79
Severe Acute Heart Disease	24	38	21 - 59	14	50	20 - 68
Severe Chronic Heart Disease	14	14	10 - 50	19	21	8 - 47
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	23	0	0 - 33	21	0	0 - 45
Gynecologic Disease	3	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	52	6	1 - 21	41	2	1 - 18
Musculoskeletal/Skin Conditions	25	4	0 - 64	13	0	0 - 98
Neuropsychiatric/Sensory Disease	4	0	0 -100	4	25	0 -100
Urologic Disease	6	0	0 -100	4	25	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	74
Occupancy Rate (%):	(not available)
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

SHELBY MEMORIAL HOSPITAL

MORRIS ROAD
SHELBY, OH 44875

Medicare Hospital Provider Number: 360135

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	365	12	9 - 17	355	12	9 - 17
Cancer	8	75	13 - 71	4	75	13 - 86
Cerebrovascular Accidents	16	56	13 - 59	17	35	14 - 58
Gastrointestinal Catastrophes	4	50	2 - 82	6	33	13 - 79
Infectious Disease	3	33	3 - 86	3	33	5 - 86
Metabolic/Electrolyte Disorders	3	33	4 - 86	3	33	1 - 89
Pulmonary Disease	34	12	12 - 37	27	19	8 - 41
Renal Failure	2	0	3 - 89	1	100	3 - 98
Severe Acute Heart Disease	15	53	18 - 66	15	47	20 - 68
Severe Chronic Heart Disease	19	11	12 - 44	18	28	8 - 50
Severe Trauma	0	-	-	1	0	2 - 97
Gastrointestinal Disease	38	3	0 - 23	39	5	0 - 40
Gynecologic Disease	4	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	44	2	1 - 18	44	7	1 - 25
Musculoskeletal/Skin Conditions	45	0	0 - 16	41	0	0 - 15
Neuropsychiatric/Sensory Disease	10	10	1 - 62	7	0	0 - 96
Urologic Disease	9	0	0 - 82	8	13	0 - 77

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	55
Occupancy Rate (%):	(not available)
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

SOUTHERN HILLS HOSPITAL

727 8TH ST
PORTSMOUTH, OH 45662

Medicare Hospital Provider Number: 360167

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	31	3	0 - 39	160	6	5 - 14
Cancer	0	-	-	4	50	9 - 85
Cerebrovascular Accidents	1	100	1 - 97	3	0	4 - 79
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	5	0	2 - 65
Pulmonary Disease	0	-	-	14	0	15 - 42
Renal Failure	0	-	-	1	0	1 - 97
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	6	33	4 - 73
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	4	0	0 -100	13	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	1	0	0 -100	10	0	0 - 62
Musculoskeletal/Skin Conditions	6	0	0 -100	32	0	0 - 47
Neuropsychiatric/Sensory Disease	10	0	0 -100	16	6	0 - 99
Urologic Disease	1	0	0 -100	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	125
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	36
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SOUTHWEST GENERAL HOSP

18697 BAGLEY RD
MIDDLEBURG HTS, OH 44130

Medicare Hospital Provider Number: 360155

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,454	12	10 - 14	2,306	12	10 - 15
Cancer	96	45	35 - 59	83	48	34 - 60
Cerebrovascular Accidents	90	27	16 - 35	72	22	18 - 39
Gastrointestinal Catastrophes	22	41	16 - 59	19	11	21 - 56
Infectious Disease	18	39	16 - 61	11	18	14 - 62
Metabolic/Electrolyte Disorders	25	32	14 - 54	14	43	7 - 59
Pulmonary Disease	117	27	17 - 36	104	22	15 - 34
Renal Failure	7	43	13 - 81	8	63	14 - 80
Severe Acute Heart Disease	105	37	27 - 48	105	45	27 - 48
Severe Chronic Heart Disease	161	25	17 - 32	194	25	17 - 31
Severe Trauma	2	0	3 - 88	0	-	-
Gastrointestinal Disease	207	3	1 - 7	173	2	1 - 7
Gynecologic Disease	26	4	0 -100	13	0	0 -100
Low-Risk Heart Disease	340	3	2 - 6	324	4	2 - 7
Musculoskeletal/Skin Conditions	222	1	1 - 6	248	2	1 - 6
Neuropsychiatric/Sensory Disease	66	2	0 - 16	60	2	0 - 19
Urologic Disease	101	1	0 - 12	88	3	0 - 19

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 292
Occupancy Rate (%): 85
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 192
Percent of Physicians Who Are Board Certified Specialists: 60
Interns and Residents: 0
Registered Nurses: 361
Licensed Practical Nurses: 65

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

SOUTHWEST
GENERAL HOSPITAL

18697 East Bagley Road • Middleburg Heights, Ohio 44130 • 216/826-8000

Medicare Provider No. 360155

October 18, 1988

Mrs. Sandra Kappert
Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

This letter is to serve as Southwest General Hospital's notice that we have received our 1987 Medicare Hospital Mortality Information.

While we have not had time to evaluate and substantiate each case, we do not have any comments on the overall data. We would point out, however, that our "Hospital Characteristics" are in error. We understand, from the Greater Cleveland Hospital Association, that there are many hospitals who experienced the same errors. We trust this information will be corrected before final publication.

We would greatly appreciate, in the coming years, the receipt of this data at an earlier date. This would allow more time for a case evaluation and to reflect the most accurate information available.

Sincerely,

Mary Jo Johnson, R.R.A.

Mary Jo Johnson, R.R.A.
Director,
Medical Record Information Services

ST ALEXIS HOSP

5163 BROADWAY
CLEVELAND, OH 44127

Medicare Hospital Provider Number: 360049

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,500	13	10 - 15	1,501	14	10 - 15
Cancer	58	40	29 - 57	53	47	30 - 60
Cerebrovascular Accidents	65	26	15 - 38	74	20	17 - 37
Gastrointestinal Catastrophes	5	40	3 - 78	17	59	21 - 67
Infectious Disease	11	18	13 - 61	14	36	14 - 64
Metabolic/Electrolyte Disorders	22	27	10 - 50	24	21	10 - 47
Pulmonary Disease	75	21	19 - 40	80	17	16 - 36
Renal Failure	5	40	6 - 81	6	33	7 - 79
Severe Acute Heart Disease	47	45	24 - 53	47	45	28 - 57
Severe Chronic Heart Disease	99	22	16 - 33	98	34	13 - 33
Severe Trauma	1	100	1 - 97	0	-	-
Gastrointestinal Disease	129	5	1 - 11	107	6	1 - 13
Gynecologic Disease	14	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	209	1	2 - 6	221	3	1 - 7
Musculoskeletal/Skin Conditions	116	6	1 - 14	137	5	1 - 11
Neuropsychiatric/Sensory Disease	49	0	0 - 16	39	5	0 - 60
Urologic Disease	39	5	0 - 41	54	4	0 - 36

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	216
Occupancy Rate (%):	66
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	116
Percent of Physicians Who Are Board Certified Specialists:	55
Interns and Residents:	0
Registered Nurses:	155
Licensed Practical Nurses:	39

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

ST ANNS HOSPITAL OF WESTERVILLE

500 S CLEVELAND AVENUE
WESTERVILLE, OH 43087

Medicare Hospital Provider Number: 360012

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,154	16	10 - 16	1,017	16	11 - 16
Cancer	17	47	25 - 71	10	10	16 - 61
Cerebrovascular Accidents	57	32	15 - 40	50	36	16 - 43
Gastrointestinal Catastrophes	11	45	18 - 73	11	55	13 - 68
Infectious Disease	26	50	16 - 56	22	41	18 - 60
Metabolic/Electrolyte Disorders	15	33	5 - 56	17	18	4 - 48
Pulmonary Disease	96	33	17 - 38	96	32	18 - 39
Renal Failure	5	20	15 - 86	6	50	14 - 86
Severe Acute Heart Disease	50	50	27 - 55	41	49	28 - 59
Severe Chronic Heart Disease	58	24	14 - 37	55	24	14 - 38
Severe Trauma	7	43	10 - 75	3	33	4 - 86
Gastrointestinal Disease	79	6	0 - 19	72	10	0 - 28
Gynecologic Disease	8	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	133	5	1 - 10	107	7	1 - 14
Musculoskeletal/Skin Conditions	105	3	0 - 12	99	3	0 - 12
Neuropsychiatric/Sensory Disease	28	11	0 - 95	23	0	0 - 47
Urologic Disease	34	0	0 - 37	35	0	0 - 49

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	195
Occupancy Rate (%):	66
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	530
Percent of Physicians Who Are Board Certified Specialists:	74
Interns and Residents:	12
Registered Nurses:	222
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

St. Ann's
HOSPITAL

500 South Cleveland Avenue
Westerville, Ohio 43081-8998
(614) 898-4000

Medicare Provider No.: 36-0012

Consumer and professional access to information relating to the quality of medical care has appropriately become an issue of great concern. Mortality data for Medicare patients is one of many variables which when reviewed in total will provide a picture of overall quality of care.

St. Ann's is very proud that in every category for both the years 1986 and 1987, Medicare mortality rates were within the ranges expected by HCFA. This is despite the fact that in all instances, the deceased patients had at least one and often times many comorbid conditions. (Other medical conditions separate from the primary or acute diagnosis which places the patient at increased medical risk, eg., chronic obstructive pulmonary disease, arteriosclerotic heart disease, etc.). Additionally, 36 patients (20%) died following their discharge from causes which in some cases may have been unrelated to their hospital admission.

HCFA has recognized the acuity level of the patients cared for at St. Ann's by the mortality predictions they have developed for our hospital. The average age of the patients who expired was 80 years. St. Ann's treats a smaller percentage of Medicare patients than other local hospitals, but a very high percentage of patients are transferred from local nursing homes in an acute phase of their illness. Of the patients who subsequently died, 34% were transferred from nursing homes to our emergency room and admitted. It should be noted that HCFA's calculations considered only one hospital admission per patient even though many were so severely ill that multiple admissions may have occurred during the year.

St. Ann's mortality rate for non-Medicare adult patients is 0.5% with our overall mortality rate for Medicare and non-Medicare adults being 2.1%. St. Ann's offers comprehensive medical and surgical services including trauma, cardiac and medical oncological services. We believe these very positive outcomes are a direct result of the attention to quality focused on by the medical staff and employees of St. Ann's.

ST ANTHONY HOSPITAL

1450 HAWTHORNE AVE
COLUMBUS, OH 43203

Medicare Hospital Provider Number: 360062

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,823	11	9 - 13	2,692	10	9 - 13
Cancer	73	32	27 - 52	63	38	26 - 54
Cerebrovascular Accidents	101	24	17 - 36	115	23	19 - 36
Gastrointestinal Catastrophes	17	29	11 - 56	22	41	16 - 58
Infectious Disease	54	41	22 - 52	42	38	21 - 54
Metabolic/Electrolyte Disorders	71	25	11 - 38	65	25	13 - 40
Pulmonary Disease	97	28	21 - 42	106	21	18 - 37
Renal Failure	14	50	13 - 72	18	33	10 - 66
Severe Acute Heart Disease	73	45	27 - 52	72	47	31 - 56
Severe Chronic Heart Disease	158	22	15 - 30	136	15	14 - 28
Severe Trauma	4	50	5 - 82	4	25	7 - 82
Gastrointestinal Disease	97	5	0 - 15	120	2	1 - 8
Gynecologic Disease	7	14	0 -100	9	0	0 -100
Low-Risk Heart Disease	259	3	2 - 7	249	6	2 - 8
Musculoskeletal/Skin Conditions	520	1	1 - 4	475	1	1 - 4
Neuropsychiatric/Sensory Disease	97	9	0 - 36	109	2	0 - 11
Urologic Disease	83	2	0 - 23	61	2	0 - 33

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	404
Occupancy Rate (%):	69
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	148
Percent of Physicians Who Are Board Certified Specialists:	66
Interns and Residents:	3
Registered Nurses:	349
Licensed Practical Nurses:	13

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST CHARLES HOSP

2600 NAVARRE AVE
OREGON, OH 43616

Medicare Hospital Provider Number: 360081

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,308	11	10 - 14	2,492	12	9 - 14
Cancer	89	39	29 - 53	78	44	27 - 53
Cerebrovascular Accidents	78	31	18 - 40	99	32	19 - 39
Gastrointestinal Catastrophes	9	44	12 - 71	21	48	17 - 61
Infectious Disease	37	35	21 - 54	23	26	23 - 62
Metabolic/Electrolyte Disorders	44	34	11 - 44	34	35	10 - 46
Pulmonary Disease	115	23	17 - 35	85	22	15 - 36
Renal Failure	10	70	12 - 73	8	38	12 - 79
Severe Acute Heart Disease	98	31	30 - 50	109	33	27 - 47
Severe Chronic Heart Disease	139	23	16 - 32	152	30	17 - 33
Severe Trauma	1	100	0 - 97	5	20	4 - 75
Gastrointestinal Disease	195	1	2 - 6	190	2	2 - 7
Gynecologic Disease	21	0	0 -100	11	0	0 -100
Low-Risk Heart Disease	339	3	1 - 6	393	3	2 - 6
Musculoskeletal/Skin Conditions	232	2	1 - 6	243	3	1 - 7
Neuropsychiatric/Sensory Disease	57	2	0 - 16	72	0	0 - 10
Urologic Disease	128	0	1 - 6	125	2	0 - 10

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	342
Occupancy Rate (%):	68
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	174
Percent of Physicians Who Are Board Certified Specialists:	65
Interns and Residents:	0
Registered Nurses:	290
Licensed Practical Nurses:	88

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

ST ELIZABETH HOSPITAL

1044 BELMONT AVE
YOUNGSTOWN, OH 44501

Medicare Hospital Provider Number: 360064

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	6,216	10	9 - 13	5,798	11	9 - 13
Cancer	203	36	32 - 51	204	46	35 - 55
Cerebrovascular Accidents	201	28	18 - 33	185	29	19 - 35
Gastrointestinal Catastrophes	67	36	19 - 48	65	37	23 - 52
Infectious Disease	80	40	22 - 48	82	44	24 - 51
Metabolic/Electrolyte Disorders	57	12	14 - 39	62	18	11 - 37
Pulmonary Disease	265	23	20 - 34	264	23	18 - 33
Renal Failure	39	31	17 - 65	31	26	17 - 67
Severe Acute Heart Disease	263	42	29 - 44	225	45	30 - 46
Severe Chronic Heart Disease	316	22	17 - 28	319	19	17 - 28
Severe Trauma	11	9	11 - 56	15	33	9 - 59
Gastrointestinal Disease	388	3	1 - 6	327	2	1 - 5
Gynecologic Disease	66	0	0 -100	53	0	0 -100
Low-Risk Heart Disease	1,271	3	2 - 4	1,202	3	2 - 4
Musculoskeletal/Skin Conditions	490	1	1 - 4	439	2	1 - 5
Neuropsychiatric/Sensory Disease	291	1	0 - 6	278	1	0 - 5
Urologic Disease	201	1	0 - 7	173	1	0 - 8

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	756
Occupancy Rate (%):	72
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	203
Percent of Physicians Who Are Board Certified Specialists:	52
Interns and Residents:	97
Registered Nurses:	703
Licensed Practical Nurses:	188

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

ST ELIZABETH MEDICAL CENTER

601 MIAMI BOULEVARD
DAYTON, OH 45408

Medicare Hospital Provider Number: 360018

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,468	10	9 - 13	3,321	11	9 - 13
Cancer	143	36	30 - 51	135	42	31 - 53
Cerebrovascular Accidents	118	22	16 - 33	116	20	17 - 34
Gastrointestinal Catastrophes	25	36	18 - 58	20	25	15 - 56
Infectious Disease	26	42	17 - 56	34	47	18 - 54
Metabolic/Electrolyte Disorders	101	14	15 - 37	87	22	13 - 37
Pulmonary Disease	160	24	18 - 35	142	25	16 - 34
Renal Failure	15	27	12 - 68	19	37	18 - 73
Severe Acute Heart Disease	102	40	25 - 47	79	25	26 - 48
Severe Chronic Heart Disease	155	15	15 - 28	191	23	16 - 30
Severe Trauma	13	46	12 - 65	7	29	6 - 70
Gastrointestinal Disease	246	4	1 - 8	217	5	1 - 8
Gynecologic Disease	32	0	0 -100	40	0	0 -100
Low-Risk Heart Disease	508	4	2 - 6	464	3	2 - 6
Musculoskeletal/Skin Conditions	281	1	0 - 5	288	2	0 - 6
Neuropsychiatric/Sensory Disease	150	2	1 - 8	191	1	1 - 6
Urologic Disease	142	1	0 - 9	136	4	0 - 13

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	616
Occupancy Rate (%):	75
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	224
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

St. Elizabeth
Medical Center

601 Edwin C. Moses Blvd.
Dayton, Ohio 45408
(513) 229-6000

Member of
Franciscan Sisters of the Poor
Health System, Inc.

To: Health Care Financing Administration
Health Standards and Quality Bureau

From: John R. Scharf, M.D.
Chairman, Quality Assurance Program Committee
St. Elizabeth Medical Center
Medicare Provider #36-0018

Date: October 21, 1988

RE: HCFA Mortality Rates Disclosure Response

We have done an analysis of the HCFA statistical data regarding mortality rates and have found several inaccuracies in the reported data.

St. Elizabeth Medical Center is a full-service, 616-bed facility. The HCFA report states that the medical center has a total of 376 beds. St. Elizabeth Medical Center listed 616 beds with the American Hospital Association, HCFA's data source. It is possible that the errors in the HCFA reported data relates to a classification of beds, that is, beds for psychiatry, medical-surgical, rehabilitation, etc.

The HCFA data also contains major errors pertaining to our physicians. The total number of physicians at St. Elizabeth Medical Center is 726. However, the HCFA report states the total number is 232. Likewise, 75 percent of the physicians at the medical center are board certified rather than the 43 percent stated in the HCFA report.

A variance in the data for the total number of Medicare patients also exists in the HCFA report. St. Elizabeth Medical Center had 669, or 15 percent, more cases than Medicare and HCFA reported.

The mortality rates for St. Elizabeth Medical Center fall well within the expected range. Many of the expected mortality ranges are inappropriate. For instance, gynecology is listed as 0 to 100 percent. It is also imperative that we note that our medical staff feels it inappropriate to measure the quality of care based solely upon mortality rates or any inferences thereof.

St. Elizabeth Medical Center has an on-going quality assurance program that involves physicians in each specialty who serve in a peer review capacity. This review process includes the use of mortality rates and other statistical data. In addition, care provided to patients in all services is evaluated for appropriateness and cost effectiveness. All care is monitored and randomly sampled for evaluation even when a problem in care is not specifically noted.

Specific concerns of patients, especially complaints, are routinely evaluated and individually addressed by administration and the medical staff. Our board of directors, medical staff and administration likewise routinely review other indicators of patient outcome, such as autopsy rates, infection rates, readmission rates and many more.

We feel that we are successful in achieving our goal of offering the community high quality health care in a cost-effective manner. The information and data included in the HCFA report will be utilized by our quality assurance program as one measure of the clinical care provided here at St. Elizabeth Medical Center. However, mortality data must be analyzed with other indicators by the medical staff before any determination of quality of care can reasonably be assessed.

ST FRANCIS ST GEORGE HOSPITAL INC

1860 QUEEN CITY AVE
CINCINNATI, OH 45214

Medicare Hospital Provider Number: 360113

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,691	12	10 - 14	3,500	12	10 - 15
Cancer	114	50	31 - 54	89	43	27 - 52
Cerebrovascular Accidents	138	22	20 - 36	159	23	19 - 35
Gastrointestinal Catastrophes	21	29	14 - 56	26	42	18 - 58
Infectious Disease	50	34	22 - 52	38	21	21 - 51
Metabolic/Electrolyte Disorders	71	28	12 - 40	57	32	15 - 44
Pulmonary Disease	233	29	19 - 35	207	32	21 - 38
Renal Failure	17	41	20 - 76	16	56	19 - 76
Severe Acute Heart Disease	112	41	29 - 49	139	33	31 - 49
Severe Chronic Heart Disease	226	23	17 - 30	216	23	15 - 29
Severe Trauma	6	0	6 - 60	14	29	9 - 59
Gastrointestinal Disease	305	4	2 - 8	259	1	2 - 6
Gynecologic Disease	20	0	0 -100	22	0	0 - 98
Low-Risk Heart Disease	459	4	2 - 6	422	6	2 - 7
Musculoskeletal/Skin Conditions	418	1	1 - 5	390	2	1 - 5
Neuropsychiatric/Sensory Disease	72	0	1 - 8	92	1	1 - 9
Urologic Disease	155	1	0 - 7	130	2	0 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	290
Occupancy Rate (%):	72
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	174
Percent of Physicians Who Are Board Certified Specialists:	66
Interns and Residents:	0
Registered Nurses:	264
Licensed Practical Nurses:	63

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

St. Francis - St. George Hospital
3131 Queen City Avenue
Cincinnati, Ohio 45238
513-389-5000

October 21, 1988

St. Francis-St. George Hospital
360113

William L. Roper, M.D.
Administrator
Health Care Financing Administration
Department of Health & Human Services
Washington, D.C. 20201

Dear Dr. Roper:

Although the HCFA 1987 Mortality data show that St. Francis-St. George falls within expected ranges in all disease categories, we have a profound disagreement with HCFA regarding the intended use of these statistics.

First, "quality" cannot be quantified or determined solely by the number of deaths in an institution. The data you have do not define quality, as you already have stated in your letter to each institution.

Second, the data are not complete, are inconsistent, and cannot be used to make any type of statistical comparisons or decisions. Your instructions to each institution have stated that one cannot draw conclusions from the data; given that the statistics are to be presented to many readers, this impairment should be highlighted to a great extent. The use of a "warning" would be appropriate.

The apparent purpose of HCFA data is to compare actual death rate in a given institution to expected death rate given certain specific parameters. But, only HCFA knows who and what were included in the data. The information provided has only limited patient characteristics. Conclusions regarding our particular institution cannot be made given this limited information.

If HCFA releases "mortality data," St. Francis-St. George makes the following recommendations:

1. Be consistent; use the same language throughout the system. That is, use DRG language as opposed to the proposed terminology.

2. Limit the deaths included in the report to those that actually occurred in the facility. Those occurring outside the facility, within 30 days of discharge may have additional, unrelated causes.

FRANCISCAN HEALTH SYSTEM OF CINCINNATI, INC.
Member—Franciscan Sisters of the Poor Health System, Inc.

3. The statistical model needs to be less complicated so that those who receive it, including the public, have a better chance to understand it.

In conclusion, St. Francis-St. George agrees with the underlying effort by HCFA to enhance the quality of care provided by hospitals. **We stand by the care given our patients and the services we provide.** We believe that HCFA, however, is doing a great disservice to the families of patients included in the study. Their anxiety, anguish and potential guilt feelings that may be generated by misinformation supplied by HCFA should not be permitted to occur. As in any effort to monitor quality, the methods of analyzing and communicating the findings need to be carefully considered.

Thank you for the opportunity to comment on HCFA's mortality report.

Sincerely,

Michael A. Banks
Chief Operating Officer

MAB/krk

ST JOHN HOSPITAL

7911 DETROIT AVE
CLEVELAND, OH 44102

Medicare Hospital Provider Number: 360053

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,164	13	11 - 16	1,278	14	11 - 16
Cancer	34	41	30 - 64	39	46	29 - 62
Cerebrovascular Accidents	61	28	18 - 41	58	28	17 - 42
Gastrointestinal Catastrophes	7	57	6 - 72	7	29	5 - 70
Infectious Disease	23	22	21 - 57	23	43	20 - 62
Metabolic/Electrolyte Disorders	19	11	13 - 48	23	30	8 - 49
Pulmonary Disease	68	29	17 - 41	76	21	18 - 39
Renal Failure	2	50	4 - 93	6	67	7 - 79
Severe Acute Heart Disease	31	48	22 - 57	37	43	29 - 61
Severe Chronic Heart Disease	84	26	17 - 37	79	22	15 - 34
Severe Trauma	1	0	1 - 97	5	60	7 - 79
Gastrointestinal Disease	84	1	1 - 9	92	7	1 - 16
Gynecologic Disease	12	8	0 -100	7	0	0 -100
Low-Risk Heart Disease	182	4	1 - 8	157	3	2 - 8
Musculoskeletal/Skin Conditions	86	0	2 - 7	108	2	1 - 9
Neuropsychiatric/Sensory Disease	18	6	0 - 80	25	4	0 - 74
Urologic Disease	24	4	0 - 45	28	4	0 - 67

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	225
Occupancy Rate (%):	55
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	135
Percent of Physicians Who Are Board Certified Specialists:	67
Interns and Residents:	0
Registered Nurses:	151
Licensed Practical Nurses:	44

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

St. JOHN
HOSPITAL

7911 DETROIT AVENUE CLEVELAND, OHIO 44102 216/651-7000

October 17, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows Building
6325 Security Boulevard
Baltimore, Maryland, 21207

Re: Medicare Mortality Information

Dear Mrs. Kappert:

After review of St. John Hospital information, we conclude:

1. Medicare statistics regarding deaths at St. John Hospital appear to be accurate. However, of the 156 patients statistically included by Medicare for St. John Hospital, the dates and causes of death for 40 of the patients cannot be verified as they did not expire at St. John Hospital.

2. St. John Hospital mortality rates fall within the low to median points of Medicare's predicted ranges. There are no significant changes in 1987 rates as compared to those in 1986, and reported rates do not reflect any abnormal patterns.

3. Medicare's statistical explanation of deaths is not reflective of the quality of care but may indicate a need for quality assessment. St. John Hospital, as a normal course of business, will continue to assess 100% of all deaths occurring at St. John Hospital.

Sincerely,

James L. Heffernan

James L. Heffernan
Senior Vice President, Chief Operating Officer

CWG/jbp

CSA A SISTERS OF CHAR [illegible]

ST JOHN S MEDICAL CENTER

ST JOHN HEIGHTS
STEUBENVILLE, OH 43952

Medicare Hospital Provider Number: 360083

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,504	14	10 - 15	1,628	13	10 - 14
Cancer	40	35	30 - 62	47	36	27 - 57
Cerebrovascular Accidents	51	29	14 - 40	47	19	18 - 42
Gastrointestinal Catastrophes	12	25	12 - 62	14	29	14 - 62
Infectious Disease	10	40	14 - 70	22	41	18 - 60
Metabolic/Electrolyte Disorders	34	44	12 - 49	36	33	12 - 47
Pulmonary Disease	98	30	17 - 37	85	26	18 - 39
Renal Failure	8	25	11 - 75	5	60	3 - 81
Severe Acute Heart Disease	62	52	27 - 53	66	45	27 - 52
Severe Chronic Heart Disease	115	30	15 - 33	119	34	15 - 33
Severe Trauma	0	-	-	1	100	0 - 98
Gastrointestinal Disease	92	2	1 - 10	105	4	1 - 11
Gynecologic Disease	9	0	0 -100	11	0	0 -100
Low-Risk Heart Disease	281	3	1 - 6	283	1	1 - 5
Musculoskeletal/Skin Conditions	118	0	1 - 6	116	3	1 - 10
Neuropsychiatric/Sensory Disease	64	6	0 - 61	66	5	0 - 47
Urologic Disease	72	6	0 - 58	79	0	0 - 10

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	201
Occupancy Rate (%):	62
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	101
Percent of Physicians Who Are Board Certified Specialists:	51
Interns and Residents:	0
Registered Nurses:	157
Licensed Practical Nurses:	30

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

St. John Medical Center
St. John Heights Steubenville, OH 43952 614-264-8000

MEDICARE PROVIDER NO. 360083

COMMENTS ON HCFA MORTALITY INFORMATION

The data reported by HCFA for Medicare mortality rates for 1987 appears to be relatively correct.

However, the HCFA practice of counting only the last admission to a hospital in computing the total number of cases and the actual mortality rate is unfair to a facility like St. John Medical Center, which is one of two hospitals in an economically depressed area and the only facility that offers certain services, because the last admission in many cases is also the most chronic or most acute admission and the most likely to result in death. In several cases, the day of admission and date of death are the same which substantiates the above.

Locally, St. John Medical Center is the facility that provides more extensive services for severe, chronic and acute heart diseases. The patients who are seen exceed the national norms for chronicity. The age of the patients also tends to be higher for these DRG's than in most places.

Steubenville, Ohio, where St. John Medical Center is located, is an area where coal mining and steel making are the main industries. The environmental impact from these industries is reflected in the higher and more chronic cases of pulmonary disease. The incidence of risk factors such as cigarette smoking, diabetes and genetic predisposition must be considered.

As the only hospital in the immediate area with a Renal Dialysis Unit, St. John Medical Center can be expected to have a higher mortality rate from renal disease than hospitals that do not offer such a service.

Robert G. Filby, Ph.D., F.A.C.H.E.
President

Date: October 24, 1988

ST JOHN WEST SHORE HOSPITAL

29000 CENTER RIDGE
WEST LAKE, OH 44145

Medicare Hospital Provider Number: 360123

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,634	12	10 - 14	1,566	13	9 - 14
Cancer	48	42	25 - 56	42	33	24 - 55
Cerebrovascular Accidents	82	27	17 - 37	61	26	17 - 40
Gastrointestinal Catastrophes	13	46	16 - 68	17	29	15 - 60
Infectious Disease	18	39	19 - 64	17	47	17 - 64
Metabolic/Electrolyte Disorders	29	28	7 - 45	22	14	10 - 45
Pulmonary Disease	93	22	18 - 37	77	30	17 - 40
Renal Failure	9	44	14 - 79	3	67	8 - 91
Severe Acute Heart Disease	43	49	26 - 57	53	45	24 - 52
Severe Chronic Heart Disease	110	29	15 - 33	80	36	17 - 39
Severe Trauma	1	0	1 - 97	6	33	6 - 74
Gastrointestinal Disease	130	1	1 - 7	137	6	1 - 11
Gynecologic Disease	14	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	178	3	1 - 8	206	2	2 - 7
Musculoskeletal/Skin Conditions	176	3	1 - 8	203	4	1 - 9
Neuropsychiatric/Sensory Disease	57	0	0 - 14	66	2	0 - 19
Urologic Disease	50	2	0 - 37	48	0	0 - 17

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1985

Total Beds (#):	200
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	174
Licensed Practical Nurses:	72

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

St. John & West Shore Hospital **WESTLAKE HEALTH CAMPUS**
More than a hospital and close to home

29000 Center Ridge Road
Westlake, Ohio 44145
216-835-8000

October 17, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows Building
6325 Security Boulevard
Baltimore, Maryland 21207

Re: Medicare Mortality Information

Dear Mrs. Kappert:

After review of St. John and West Shore Hospital information, we conclude:

1. Medicare statistics regarding deaths at St. John & West Shore Hospital appear to be accurate. However, of the 204 patients statistically included by Medicare for St. John & West Shore Hospital, the dates and causes of death for 40 of the patients cannot be verified as they did not expire at St. John & West Shore Hospital.

2. St. John & West Shore Hospital mortality rates fall within the low to median points of Medicare's predicted ranges. There are no significant changes in 1987 rates as compared to those in 1986, and reported rates do not reflect any abnormal patterns.

3. Medicare's statistical explanation of deaths is not reflective of the quality of care but may indicate a need for quality assessment. St. John & West Shore Hospital, as a normal course of business, will continue to assess 100% of all deaths occurring at St. John & West Shore Hospital.

Sincerely,

James L. Heffernan

James L. Heffernan
Senior Vice President, Chief Operating Officer

CWG/jbp

ST JOSEPH HOSPITAL & HEALTH CENTER

205 WEST 20TH STREET
LORAIN, OH 44052

Medicare Hospital Provider Number: 360204

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,947	14	11 - 16	1,847	14	12 - 16
Cancer	71	48	34 - 61	77	55	36 - 62
Cerebrovascular Accidents	73	27	17 - 39	90	33	19 - 40
Gastrointestinal Catastrophes	17	18	19 - 60	13	38	13 - 65
Infectious Disease	25	48	19 - 59	19	32	17 - 59
Metabolic/Electrolyte Disorders	39	54	19 - 54	39	23	14 - 45
Pulmonary Disease	84	29	19 - 41	73	32	17 - 41
Renal Failure	8	50	16 - 83	8	88	15 - 76
Severe Acute Heart Disease	60	48	24 - 51	51	51	24 - 53
Severe Chronic Heart Disease	118	26	15 - 32	109	23	18 - 35
Severe Trauma	4	25	1 - 83	2	100	2 - 88
Gastrointestinal Disease	113	4	1 - 10	87	0	1 - 7
Gynecologic Disease	17	0	0 -100	12	0	0 -100
Low-Risk Heart Disease	212	2	2 - 7	208	1	2 - 6
Musculoskeletal/Skin Conditions	193	4	2 - 8	193	1	1 - 5
Neuropsychiatric/Sensory Disease	74	1	1 - 11	48	0	1 - 11
Urologic Disease	86	0	0 - 9	87	0	1 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	272
Occupancy Rate (%):	57
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	132
Percent of Physicians Who Are Board Certified Specialists:	80
Interns and Residents:	0
Registered Nurses:	281
Licensed Practical Nurses:	113

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	Yes

ST JOSEPH RIVERSIDE HOSP

1400 TOD AVE NW
WARREN, OH 44485

Medicare Hospital Provider Number: 360021

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,397	13	9 - 14	1,349	12	9 - 14
Cancer	39	51	28 - 61	43	35	28 - 59
Cerebrovascular Accidents	54	24	16 - 40	50	24	18 - 43
Gastrointestinal Catastrophes	9	44	8 - 68	9	33	7 - 66
Infectious Disease	15	40	15 - 63	7	43	11 - 76
Metabolic/Electrolyte Disorders	57	16	11 - 38	49	27	14 - 44
Pulmonary Disease	67	34	16 - 41	69	33	16 - 40
Renal Failure	11	82	15 - 72	1	100	2 - 97
Severe Acute Heart Disease	25	48	21 - 59	37	51	25 - 57
Severe Chronic Heart Disease	104	29	15 - 33	107	24	15 - 33
Severe Trauma	5	40	3 - 78	0	-	-
Gastrointestinal Disease	102	4	1 - 12	83	5	1 - 15
Gynecologic Disease	11	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	152	5	1 - 10	145	3	2 - 9
Musculoskeletal/Skin Conditions	114	4	1 - 12	138	4	0 - 11
Neuropsychiatric/Sensory Disease	134	0	1 - 6	153	2	0 - 9
Urologic Disease	47	4	0 - 30	37	5	0 - 81

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	207
Occupancy Rate (%):	60
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	83
Percent of Physicians Who Are Board Certified Specialists:	59
Interns and Residents:	0
Registered Nurses:	202
Licensed Practical Nurses:	65

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

SJRH

st. joseph riverside hospital

1400 TOD AVE., N.W. / WARREN, OHIO 44485-2499 / (216) 841-4000

October 20, 1988

Hospital I.D. No.: 36-0021

Ms. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, MD 21207

Dear Ms. Kappert:

Before addressing some quality issues as they relate to the Medicare Hospital Mortality Data, I wish to correct some of the data presented under hospital characteristics. St. Jospeh Riverside Hospital has 248 registered beds, not the 120 shown. Our occupancy rate on these 248 registered beds in 1987 was 49.8%. Speciality services do not include Shock/Trauma or Burn Unit, but we do have a Coronary Care Unit.

Again in 1987, St. Joseph Riverside Hospital has only a few diagnostic categories with enough patient volume from which a statistically significant sample can be drawn. The average age of the patients reported as deceased in the group eligible for MMPS abstraction was 79.8 years. This shows that a very high percentage of our mortality data comes from a very elderly patient population.

Included in the review for quality of care and services was the diagnostic category of Renal Failure. A total of 11 patients were grouped in this category for St. Joseph Riverside Hospital, two of which did not belong in the group: one patient having been transferred to another hospital where death took place, and another having a main diagnosis of Congestive Heart Failure rather than Renal Failure.

Of the remaining nine patients in the category, four were admitted to our hospital with requests from family members and with the knowledge of their attending physicians not to take life support measures which would prolong their lives.

A Member of the Humility of Mary Health Care Corporation

From the reviews conducted, these patients and all included in the Renal Failure diagnosis received appropriate quality care and services.

Sincerely,

Gerald H. Klein /dg
Gerald H. Klein
Assistant Executive
Director of Finance

Lisa Dallas-Koziol
Lisa Dallas-Koziol
Director, Quality Assurance

/dg

ST LUKES HOSP

5901 MONCLOVA RD
MAUMEE, OH 43537

Medicare Hospital Provider Number: 360090

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,287	11	10 - 14	2,335	11	10 - 15
Cancer	63	43	27 - 54	65	38	28 - 55
Cerebrovascular Accidents	88	28	17 - 37	110	25	18 - 36
Gastrointestinal Catastrophes	22	36	15 - 57	17	35	13 - 59
Infectious Disease	20	40	18 - 61	16	25	13 - 57
Metabolic/Electrolyte Disorders	22	23	10 - 49	31	16	11 - 43
Pulmonary Disease	122	16	18 - 35	114	23	17 - 36
Renal Failure	8	63	17 - 82	9	33	12 - 76
Severe Acute Heart Disease	121	36	30 - 49	146	32	30 - 48
Severe Chronic Heart Disease	148	20	16 - 31	151	21	18 - 33
Severe Trauma	1	0	0 - 99	4	0	5 - 72
Gastrointestinal Disease	201	5	2 - 9	197	3	1 - 7
Gynecologic Disease	21	10	0 -100	13	0	0 -100
Low-Risk Heart Disease	292	5	2 - 8	274	2	2 - 6
Musculoskeletal/Skin Conditions	221	2	1 - 6	251	4	1 - 7
Neuropsychiatric/Sensory Disease	100	7	1 - 16	86	5	0 - 24
Urologic Disease	106	1	0 - 9	91	2	0 - 16

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	246
Occupancy Rate (%):	62
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	124
Percent of Physicians Who Are Board Certified Specialists:	77
Interns and Residents:	0
Registered Nurses:	210
Licensed Practical Nurses:	50

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

ST LUKES-HOSP

11311 SHAKER BLVD
CLEVELAND, OH 44104

Medicare Hospital Provider Number: 360045

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,610	12	10 - 14	2,586	11	9 - 13
Cancer	101	50	29 - 53	96	42	31 - 55
Cerebrovascular Accidents	99	22	18 - 36	83	34	16 - 38
Gastrointestinal Catastrophes	18	44	17 - 63	15	33	12 - 60
Infectious Disease	31	29	24 - 58	36	44	22 - 57
Metabolic/Electrolyte Disorders	59	32	16 - 45	42	31	10 - 43
Pulmonary Disease	75	35	22 - 45	60	42	17 - 43
Renal Failure	17	24	11 - 65	11	45	15 - 77
Severe Acute Heart Disease	94	33	29 - 50	96	41	29 - 51
Severe Chronic Heart Disease	137	21	15 - 31	135	16	16 - 30
Severe Trauma	6	17	4 - 70	4	0	4 - 72
Gastrointestinal Disease	147	2	1 - 8	151	2	2 - 8
Gynecologic Disease	17	0	0 - 99	4	0	0 -100
Low-Risk Heart Disease	360	4	2 - 7	339	3	2 - 6
Musculoskeletal/Skin Conditions	293	3	1 - 6	327	1	1 - 5
Neuropsychiatric/Sensory Disease	184	1	1 - 6	252	0	1 - 4
Urologic Disease	108	0	1 - 6	117	3	0 - 13

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	432
Occupancy Rate (%):	75
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	301
Percent of Physicians Who Are Board Certified Specialists:	69
Interns and Residents:	82
Registered Nurses:	445
Licensed Practical Nurses:	17

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

SHA
SAINT LUKE'S HOSPITAL ASSOCIATION

11311 SHAKER BOULEVARD / CLEVELAND, OHIO 44104 / (216) 368-70

PRESIDENT AND
CHIEF EXECUTIVE OFFICER
P. DAVID YOUNGDAHL
368-7710

October 18, 1988

Ms. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, Maryland 21207

Re: Medicare Provider #36-0045

Dear Ms. Kappert:

The 1987 HCFA mortality data release shows that Saint Luke's Hospital (SLH) is well within all expected mortality ranges.

We have examined our SLH computerized data base of 1987 patient information against HCFA criteria and have found more discharges and even lower mortality rates than HCFA has calculated. See the attached page for a summary of our findings.

We have separately supplied a list of 43 patient-specific discrepancies which help to explain some of the difference between the SLH mortality calculations and those supplied by HCFA.

Thank you for providing us the opportunity to comment on the 1987 HCFA mortality data release.

Sincerely,

P. David Youngdahl

P. David Youngdahl

/rd
attachments

AFFILIATED WITH THE SCHOOL OF MEDICINE OF CASE WESTERN RESERVE UNIVERSITY

MORTALITY STATISTICS

The Saint Luke's Hospital (SLH) cases are for all Part A Medicare patients discharged in 1987. If a patient is discharged more than once during 1987, only the last inpatient visit is included in the statistics.

The number of SLH deaths listed are for all Part A Medicare patients that expired at or outside SLH within thirty days of the date of admission. These deaths have been annually adjusted by the HCFA statistics provided SLH. The larger number of SLH cases found on SLH records may be due in part to those patients who went to another acute care institution in 1987 after their discharge from our hospital.

Diagnostic Category	SLH Cases	SLH Deaths	SLH Calculated Mortality Rate	HCFA Reported Mortality Rate	HCFA Predicted Mortality Rate
Cancer	124	54	44%	50%	(29%-53%)
* Cerebrovascular Accident	121	25	21%	22%	(18%-36%)
Musculaskeletal & Cutaneous Conditions	357	8	2%	3%	(01%-06%)
Gastrointestional Catastrophes	25	9	36%	44%	(17%-63%)
Gastrointestinal Disease	168	3	2%	2%	(01%-08%)
Urologic Disease	122	0	0%	0%	(01%-06%)
Gynecologic Disease	21	0	0%	0%	(00%-99%)
Low-Risk Heart Disease	500	17	3%	4%	(02%-07%)
* Severe Chronic Heart Disease	157	29	18%	21%	(15%-31%)
* Severe Acute Heart Disease	117	35	30%	33%	(29%-50%)
Metabolic/Electrolyte Disturbances	72	20	28%	32%	(16%-45%)
Neuropsychiatric & Sensory Disease	344	1	0%	1%	(01%-06%)
* Pulmonary Diseases	87	27	31%	35%	(22%-45%)
Renal Failure	24	6	25%	24%	(11%-65%)
Infectious Disease	37	11	30%	29%	(24%-58%)
All Other Causes	1049	80	8%	N/A	
TOTAL CALCULATED BY SLH	3325	325	10%		
HCFA DATA	2610			12%	(10%-14%)

* = Focus Groups

revised 10-17-88

ST RITAS MEDICAL CTR

730 WEST MARKET STREET
LIMA, OH 45801

Medicare Hospital Provider Number: 360066

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,957	11	10 - 14	2,122	12	11 - 15
Cancer	50	40	25 - 55	80	51	29 - 54
Cerebrovascular Accidents	78	26	15 - 36	74	26	16 - 37
Gastrointestinal Catastrophes	19	53	20 - 66	13	46	21 - 73
Infectious Disease	15	40	19 - 67	28	36	22 - 60
Metabolic/Electrolyte Disorders	59	31	21 - 50	54	37	22 - 53
Pulmonary Disease	89	27	15 - 36	107	27	18 - 38
Renal Failure	8	75	19 - 83	6	33	7 - 79
Severe Acute Heart Disease	54	31	27 - 54	74	35	28 - 52
Severe Chronic Heart Disease	117	24	16 - 33	137	21	17 - 32
Severe Trauma	0	-	-	5	20	4 - 75
Gastrointestinal Disease	122	6	1 - 12	139	1	1 - 7
Gynecologic Disease	23	9	0 - 99	31	3	0 -100
Low-Risk Heart Disease	306	2	2 - 5	318	3	2 - 6
Musculoskeletal/Skin Conditions	231	1	1 - 5	210	3	1 - 7
Neuropsychiatric/Sensory Disease	68	0	1 - 9	67	3	0 - 26
Urologic Disease	71	1	0 - 14	78	3	0 - 14

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	332
Occupancy Rate (%):	71
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	137
Percent of Physicians Who Are Board Certified Specialists:	65
Interns and Residents:	0
Registered Nurses:	345
Licensed Practical Nurses:	79

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

ST THOMAS HOSPITAL MEDICAL CENTER

444 NORTH MAIN STREET
AKRON, OH 44310

Medicare Hospital Provider Number: 360020

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,461	12	10 - 15	2,455	14	11 - 15
Cancer	66	35	30 - 57	63	35	26 - 53
Cerebrovascular Accidents	90	29	16 - 36	95	28	17 - 37
Gastrointestinal Catastrophes	24	8	20 - 51	28	25	15 - 52
Infectious Disease	59	29	24 - 52	59	41	24 - 54
Metabolic/Electrolyte Disorders	34	29	14 - 49	43	28	14 - 46
Pulmonary Disease	139	27	18 - 36	147	25	21 - 38
Renal Failure	13	46	9 - 69	20	40	14 - 69
Severe Acute Heart Disease	72	42	29 - 53	84	48	31 - 54
Severe Chronic Heart Disease	129	23	16 - 32	126	29	15 - 32
Severe Trauma	4	0	4 - 71	1	0	0 - 99
Gastrointestinal Disease	172	3	1 - 9	177	2	2 - 7
Gynecologic Disease	18	0	0 -100	22	0	0 -100
Low-Risk Heart Disease	347	3	2 - 6	354	3	1 - 6
Musculoskeletal/Skin Conditions	244	5	1 - 8	206	4	0 - 9
Neuropsychiatric/Sensory Disease	105	3	0 - 15	77	4	0 - 19
Urologic Disease	92	0	0 - 7	70	0	0 - 10

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 397
Occupancy Rate (%): 59
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 177
Percent of Physicians Who Are Board Certified Specialists: 82
Interns and Residents: 53
Registered Nurses: 228
Licensed Practical Nurses: 72

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

Saint Thomas Medical Center
444 North Main Street • Akron, Ohio 44310 • [216] 379-1111

Provider Number 360020

October 18, 1988

Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Saint Thomas Medical Center is in receipt of the Health Care Financing Administration (HCFA) mortality statistics which are scheduled for release in December, 1988. We thank you for the opportunity to review this information prior to its release to the public.

Saint Thomas Medical Center accepts its responsibility for assuring high quality patient care with the greatest of seriousness. We have in place a very extensive and formal program that utilizes several types of data gathering, analysis, and monitoring of patient outcome.

Mortality data is but one of the many tools utilized to ensure and monitor quality of patient care. The risk of death varies from patient to patient and is influenced by many factors, such as age, severity of illness, comorbid conditions and patient compliance with treatment regimens. HCFA's 1987 data included specific risk factors and comorbid conditions that resulted in a more accurate report. However, Saint Thomas Medical Center supports HCFA's statement that mortality information by itself is not a complete measure of quality of care at any healthcare institution. The development of a statistical system that can adjust for case severity, better estimate the risk of death and is available for all institutions, may allow for more precise data.

In summary, Saint Thomas Medical Center believes its dedication to the measurement and assurance of quality healthcare has led to a more precise and meaningful approach than just utilizing HCFA mortality data. We plan to continue to demonstrate to the public our commitment to high quality patient care.

In our review of the hospital characteristic information specific for Saint Thomas Medical Center, an error was identified. Saint Thomas Medical Center is registered for 416 adult beds, but is currently operating and staffed for 371 adult beds. Please see the attached highlighted error that needs to be corrected.

Thank you for your attention to this matter.

Sincerely,

Gerald S. Cambron
President/CEO

GSC/pms

ST VINCENT CHARITY HOSPITAL

2351 E 22ND ST
CLEVELAND, OH 44115

Medicare Hospital Provider Number: 360037

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,328	10	9 - 13	2,393	11	9 - 13
Cancer	96	42	32 - 55	85	41	35 - 60
Cerebrovascular Accidents	53	23	15 - 38	71	23	16 - 37
Gastrointestinal Catastrophes	9	11	18 - 67	16	38	17 - 64
Infectious Disease	25	36	15 - 54	17	29	22 - 66
Metabolic/Electrolyte Disorders	41	34	15 - 48	44	20	11 - 41
Pulmonary Disease	67	22	13 - 36	67	25	16 - 39
Renal Failure	7	29	10 - 77	11	45	10 - 73
Severe Acute Heart Disease	73	38	26 - 50	64	39	27 - 52
Severe Chronic Heart Disease	106	23	15 - 32	132	26	15 - 31
Severe Trauma	3	33	4 - 86	2	50	1 - 92
Gastrointestinal Disease	81	9	1 - 18	110	2	1 - 9
Gynecologic Disease	3	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	511	4	2 - 6	485	5	2 - 6
Musculoskeletal/Skin Conditions	428	1	1 - 4	399	2	0 - 5
Neuropsychiatric/Sensory Disease	45	0	0 - 15	61	2	1 - 12
Urologic Disease	45	2	0 - 37	47	0	0 - 15

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	414
Occupancy Rate (%):	72
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	127
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	0
Registered Nurses:	317
Licensed Practical Nurses:	63

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

Saint Vincent
Charity
Hospital
& Health Center

The Downtown Hospital
Since 1865

2351 East 22nd St.
Cleveland, Ohio 44115
(216) 861-6200

MEDICARE PROVIDER #360037

INVITED COMMENTARY ON HCFA SELECTED MORTALITY DATA

October 20, 1988

William Roper, M.D.
Health Care Finance Administration
Washington, D.C.

Dear Dr. Roper:

Saint Vincent Charity Hospital and Health Center (SVCH&HC) again welcomes the opportunity to comment on selected mortality information provided by your administration for Medicare beneficiaries treated at our Hospital in the year 1987.

We continue to applaud HCFA's intent to provide information which could help Medicare recipients make more informed decisions about their health care. However, the data prepared by HCFA for public release with regard to SVCH&HC is inaccurate and incomplete, and the methodology used continues to be seriously flawed. We agree with HCFA that mortality rates are not an accurate reflection of the quality of care provided by institutions and express our concern that errant data provides misleading information if used by Medicare recipients to make "informed decisions about healthcare".

The data provided by HCFA for SVCH&HC indicates that expected deaths in all categories are well within acceptable predicted ranges for our Hospital. However, the predicted mortality ranges (as determined by HCFA's methodology) continue to ignore several critical variables related to expected mortality.

We believe the Hospital Characteristics, as provided by HCFA in this Report for the purpose of enabling beneficiaries to make better healthcare choices, do not accurately characterize the depth and scope of the clinical services provided by Saint Vincent Charity Hospital and Health Center. Acute medical-surgical beds do total 232. However, this number fails to recognize the forty-two additional beds devoted to four special care units in our Hospital and which have been designated for intensive cardiology, cardiovascular surgery, surgical and critical medical care. The Woodruff Psychiatric Pavilion (85 beds) and Rosary Hall (substance abuse) complete our complement of 492 beds providing primary and tertiary healthcare in downtown Cleveland.

Likewise, the Report inaccurately characterizes the depth and scope of the Hospital's Medical Staff. Saint Vincent Charity Hospital and Health Center is proud of its superb Medical Staff which consists of over 300 qualified physicians and surgeons providing specialty and sub-specialty care in all medical disciplines. The Report also fails to recognize Saint Vincent Charity Hospital and Health Center's commitment to medical education and research. Our Hospital participates with the Cleveland Clinic in providing integrated residency programs in medical and surgical disciplines. The Cleveland Research Institute on our campus is the center of active clinical research programs in orthopedic and cardiovascular diseases.

Our internal review of HCFA data again raises questions regarding HCFA's methodology. Our analysis reveals the random categorization of patients into disease categories inconsistent with established medical record coding principles.

We continue to urge HCFA to apply all variables related to severity of illness in determining predicted mortality ranges for individual hospitals. An analysis of our data revealed that more than ninety percent of non-cardiac mortalities had at least one co-morbid condition and over fifty percent had two or more co-morbid conditions. Because of the limited variables built into the HCFA model, we felt it imperative to note other factors which weigh heavily on patient outcomes. As a major heart center in Ohio, over thirty-two percent of the cardiac deaths which took place at SVCH&HC resulted in patients transferred from other facilities when patients failed to improve with ordinary methods of treatment. One of every five cardiac deaths occurred in patients who had experienced cardiac arrest before admission to the Hospital.

As a Catholic institution, we believe that quality is never an accident, but is the result of intelligent effort. We are committed to a quality assurance program that continually identifies opportunities to improve patient care. The care of all patients at SVCH&HC is reviewed regularly during their stay and any opportunity to improve the quality of care is implemented immediately and in accordance with established protocol.

We intend to keep our vigil and retain our patients' confidence in maintaining our fine record of quality. Throughout our history, Saint Vincent Charity Hospital and Health Center has provided quality care, concern, and assistance for all patients at all times and will continue to carry out its health care mission in a manner that reflects the philosophy of our founding sponsors, the Sisters of Charity of Saint Augustine.

Respectfully submitted,

David D'Eramo, Ph.D.
President & Chief Executive Officer

Medicare Provider #360037

ST VINCENTS HOSP & MEDICAL CENTER

2213 CHERRY ST
TOLEDO, OH 43608

Medicare Hospital Provider Number: 360112

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,216	10	8 - 12	3,290	10	9 - 13
Cancer	135	41	29 - 50	110	34	31 - 53
Cerebrovascular Accidents	86	31	17 - 38	98	23	17 - 36
Gastrointestinal Catastrophes	13	8	11 - 51	32	38	12 - 49
Infectious Disease	26	50	20 - 60	24	46	21 - 62
Metabolic/Electrolyte Disorders	30	27	11 - 47	24	29	7 - 48
Pulmonary Disease	81	28	18 - 40	97	23	17 - 36
Renal Failure	23	35	17 - 69	24	33	17 - 70
Severe Acute Heart Disease	88	35	25 - 48	115	39	26 - 46
Severe Chronic Heart Disease	138	25	16 - 32	155	21	16 - 31
Severe Trauma	8	25	3 - 66	9	22	6 - 64
Gastrointestinal Disease	167	3	1 - 8	173	2	2 - 8
Gynecologic Disease	12	0	0 -100	14	0	0 -100
Low-Risk Heart Disease	612	4	2 - 6	550	3	2 - 6
Musculoskeletal/Skin Conditions	374	3	1 - 6	372	1	1 - 5
Neuropsychiatric/Sensory Disease	246	1	1 - 6	230	1	1 - 6
Urologic Disease	190	1	0 - 6	200	2	1 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	622
Occupancy Rate (%):	65
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	156
Percent of Physicians Who Are Board Certified Specialists:	95
Interns and Residents:	31
Registered Nurses:	714
Licensed Practical Nurses:	35

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	Yes
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

St. Vincent Medical Center

ST. VINCENT MEDICAL CENTER
2213 Cherry Street
Toledo, Ohio

Response to the 1987 HCFA Mortality Study
Provider # 360112

Lawrence O. Leaman

Lawrence O. Leaman
President

2213 Cherry Street, Toledo, Ohio 43608-2691 419/321-3232

St. Vincent Medical Center is a 646 bed tertiary care Medical Center, located in the central city of Toledo, Ohio. Trauma and acute care are a central focus at St. Vincent, evidenced by seven intensive care units and services which include highly specialized physicians, nurses and other support staff.

The St. Vincent patient base is comprised of patients from Northwest Ohio and Southeast Michigan. Approximately 25% of our patient population is Medicare eligible. The location of the hospital accounts for a large population of low and no income patients who tend to have multiple diseases or illnesses.

The St. Vincent medical staff includes more than 600 specialized physicians. Numerous hospitals and physicians in the region refer to the Medical Center for tertiary, critical care. Tertiary care centers, which treat very critical patients, often find that their patient's face numerous categories of illness (co-morbidities) rather than one distinct illness.

Review of HCFA Data

St. Vincent Medical Center initiated an active Quality Assurance/Utilization Review Department (QA/UR) in 1980. Each month the QA/UR team of RNs and designated physicians meet to peer review the medical records of all mortalities. In addition, the hospital performs concurrent review of our total in-house population on a daily basis for acuity and level of patient care.

Data Verification

1) Overall Data: HCFA based its study on 3,216 Medicare admissions for 1987. Our records indicate 5,435 Medicare admissions for the same time period. HCFA stated that multiple admissions of a patient were listed as a single admission. So if a patient was admitted numerous times, with numerous diagnosis, only the final admission and diagnosis were included in the tallies. Therefore, our actual mortality rate, based on the actual number of total admissions, is 6% -- not 10%.

We fell well within the predicted percentage range on all diagnostic categories. Upon verification, the HCFA data contained 37 errors (1%) in admission numbers, date of discharge, date of death, etc. Verification was time consuming, but easier with admission numbers.

2) Medical Center Characteristics: St. Vincent Medical Center (not St. Vincent Hospital and Medical Center) is a 646 bed tertiary care center, not a 354 bed facility as listed under "Hospital Characteristics". Our occupancy rate in 1986 was 71.6%, not 61%. We list our ownership/control as voluntary non-profit, not the Church. We have 625 physicians, not 172. Registered Nurses per bed is 1.39, not 2.23. We have 74 residents. The speciality services listed are correct.

Unique Services

Recognized Regional Tertiary Care Center
-In 1986, St. Vincent had one of the highest acuity levels (case mix

index) for medicare patients of hospitals in our region.
  - St. Vincent receives patients from 20+ hospitals, scene accidents and hundreds of physicians in the region.
- High number of specialized physicians
  - Every diagnostic category listed by HCFA has a corresponding speciality at St. Vincent.
  - More than 600 physicians practice at St. Vincent in over 50 specialized services. Many are nationally recognized experts in their field of practice.
- Northwest Ohio Heart Center
  - Treats approximately 40% of the region's cardiac care patients
  - In 1987, preformed more than 1,900 catheterizations, 135 angioplasties, nearly 450 open heart surgeries, and tested more than 4,300 patients in the vascular lab.
  - Due to the specialized care available, the Northwest Ohio Heart Center is the major referral center for cardiac care from the 19 counties in Northwest Ohio and lower Michigan.
- Life Flight/Emergency-Trauma Department
  - The region's major referral center for severe illness or injury, seeing more than 35,000 patients a year through the Emergency-Trauma Department.
  - Life Flight responds to 25% scene runs and 75% inter-hospital transfers with over 800 flights per year -- serving a 130-mile radius.
  - 45% of Life Flights runs are cardiac related, 40% are trauma related and 15% are other types of critical illnesses or injuries.
- Regional Burn Care and Reconstructive Center
  - The region's only Burn Care Center and the nation's sixth regional facility.
  - Treating more than 2,000 men, women and children since its inception in 1967.

Summary

All admissions in the HCFA data were verified as occurring at St. Vincent Medical Center. In reviewing this data it is important to keep in mind that patients transferred from hospital "A" to hospital "B" will only be credited to hospital "B". Often previous admissions, whether to this or other institutions, can shed a light on the disposition of the patient.

Socio-economic status, medical history, condition at time of admission and numerous other indicators of severity of illness must be considered by HCFA for inclusion in future studies of predictable mortality in order to draw valid conclusions from this information. St. Vincent Medical Center has always been committed to providing care to people of all socio-economic levels.

St. Vincent Medical Center fell well within the range of the predicted mortality rate, despite what we believe to be a high acuity level in our patient mix. The HCFA study's importance is that it allows healthcare institutions the ability, as intended and stated by HCFA, "to better focus quality assurance activities" but should not be used as a tool to judge quality of care.
ti/10-17-88

STOUDER MEMORIAL HOSPITAL

920 SUMMIT AVENUE
TROY, OH 45373

Medicare Hospital Provider Number: 360174

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,074	13	11 - 16	1,048	13	11 - 16
Cancer	37	46	32 - 65	39	59	34 - 67
Cerebrovascular Accidents	42	31	12 - 41	38	26	16 - 45
Gastrointestinal Catastrophes	12	50	12 - 66	6	50	7 - 76
Infectious Disease	15	47	21 - 69	11	36	15 - 69
Metabolic/Electrolyte Disorders	16	19	10 - 52	14	29	8 - 57
Pulmonary Disease	72	25	16 - 39	45	36	12 - 42
Renal Failure	13	46	18 - 78	1	0	1 - 97
Severe Acute Heart Disease	39	36	26 - 57	39	49	28 - 60
Severe Chronic Heart Disease	62	37	15 - 39	81	28	16 - 37
Severe Trauma	1	0	1 - 97	0	-	-
Gastrointestinal Disease	107	3	1 - 10	100	4	1 - 12
Gynecologic Disease	10	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	117	0	2 - 6	112	3	1 - 9
Musculoskeletal/Skin Conditions	66	2	0 - 13	88	0	1 - 7
Neuropsychiatric/Sensory Disease	37	3	0 - 39	38	0	0 - 20
Urologic Disease	30	0	0 - 38	26	0	0 - 71

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	126
Occupancy Rate (%):	52
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	59
Percent of Physicians Who Are Board Certified Specialists:	63
Interns and Residents:	0
Registered Nurses:	126
Licensed Practical Nurses:	19

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

UPPER
VALLEY
MEDICAL
CENTER

October 12, 1988

William L. Roper, M.D.
Administrator
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2 - D - 2
6325 Security Boulevard
Baltimore, Maryland 21207

Re: Medicare Hospital Mortality Data, 1988, Medicare Provider #360174

Dear Dr. Roper:

The overview statistics for Stouder Memorial Hospital show that the mortality rates by diagnostic categories all fall within the predicted ranges.

In the listing of the hospital characteristics, it erroneously states there is no coronary care unit in 1986.

All inpatient, emergency room, and dead on arrival deaths have physician review, and no unanticipated deaths occurred in the Medicare population during 1987.

No quality or other conclusions are being extrapolated from these statistics.

Sincerely,

J Nickras M.D.

Judith G. Nickras, M.D.
Director, Quality Assurance, UVMC

Pat Meyer

Pat Meyer,
Acting Administrator
Stouder Memorial Hospital

jm

QUALITY ASSURANCE

Dettmer Hospital
3130 North Dixie Highway
Troy, Ohio 45373
335-5624, ext. 149

Stouder Memorial Hospital
920 Summit Avenue
Troy, Ohio 45373
335-0011, ext. 1570

Piqua Memorial Medical Center
624 Park Avenue
Piqua, Ohio 45356
778-4600, ext. 4676

SUBURBAN COMM HOSP

4180 WARRENSVILLE CENTER ROAD
CLEVELAND, OH 44122

Medicare Hospital Provider Number: 360144

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,530	15	13 - 18	1,457	17	13 - 18
Cancer	37	38	26 - 59	38	53	24 - 58
Cerebrovascular Accidents	73	40	18 - 41	65	28	17 - 40
Gastrointestinal Catastrophes	11	55	14 - 69	6	67	12 - 78
Infectious Disease	36	36	20 - 54	58	48	25 - 55
Metabolic/Electrolyte Disorders	51	20	12 - 40	44	25	11 - 42
Pulmonary Disease	145	33	23 - 41	107	31	22 - 42
Renal Failure	22	50	23 - 76	10	50	12 - 76
Severe Acute Heart Disease	56	41	27 - 54	80	39	28 - 51
Severe Chronic Heart Disease	106	17	16 - 32	122	25	17 - 34
Severe Trauma	1	0	2 - 97	3	67	2 - 86
Gastrointestinal Disease	83	0	2 - 7	74	3	1 - 12
Gynecologic Disease	4	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	151	3	1 - 9	149	3	1 - 9
Musculoskeletal/Skin Conditions	97	0	1 - 6	106	4	1 - 12
Neuropsychiatric/Sensory Disease	39	0	1 - 15	23	0	0 - 75
Urologic Disease	52	2	1 - 15	55	0	1 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	180
Occupancy Rate (%):	57
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	82
Percent of Physicians Who Are Board Certified Specialists:	74
Interns and Residents:	0
Registered Nurses:	122
Licensed Practical Nurses:	43

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SYCAMORE MED CTR

2150 LEITER RD
MIAMISBURG, OH 45342

Medicare Hospital Provider Number: 360239

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	994	11	9 - 15	960	10	9 - 14
Cancer	21	24	17 - 55	26	31	21 - 58
Cerebrovascular Accidents	37	22	16 - 43	31	16	17 - 45
Gastrointestinal Catastrophes	6	50	7 - 76	7	29	9 - 71
Infectious Disease	10	40	13 - 70	15	33	16 - 64
Metabolic/Electrolyte Disorders	25	16	13 - 47	21	29	11 - 52
Pulmonary Disease	65	23	13 - 36	35	34	15 - 48
Renal Failure	5	80	18 - 88	1	0	0 - 99
Severe Acute Heart Disease	31	45	22 - 57	33	36	24 - 57
Severe Chronic Heart Disease	63	13	15 - 33	60	28	13 - 37
Severe Trauma	4	25	2 - 81	0	-	-
Gastrointestinal Disease	73	0	2 - 8	104	2	1 - 9
Gynecologic Disease	14	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	127	2	2 - 8	128	4	1 - 10
Musculoskeletal/Skin Conditions	78	4	1 - 14	85	1	1 - 9
Neuropsychiatric/Sensory Disease	31	0	0 - 23	21	0	0 - 37
Urologic Disease	54	0	1 - 11	55	0	0 - 35

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1985

Total Beds (#):	120
Ownership/Control:	Church

STAFFING

Interns and Residents:	60
Registered Nurses:	771
Licensed Practical Nurses:	64

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

KETTERING MEDICAL CENTER
3535 Southern Boulevard Kettering, Ohio 45429-1298 513 298-4331

October 19, 1988

William L. Roper, M.D.
Administrator
Healthcare Financing Administration
Health Standards and Quality Bureau
Hospital Mortality Information
P.O. Box 26684
Baltimore, Maryland 21207

RE: Medicare Hospital Mortality Information For 1987:
Kettering Medical Center 360079 and Sycamore Medical Center 360239

Dear Dr. Roper:

The staffing per bed figures for the two hospitals listed above are incorrect in the 1987 report.

It appears to me that this was caused by the fact that these two hospitals are combined for purposes of the American Hospital Association Annual Survey. So figures appearing in that survey show staffing combined for both hospitals. It appears that in the formula used to calculate staffing per bed these combined staffing figures were inserted and compared with the beds at the single hospital alone. This resulted in the Sycamore Hospital staffing being over stated in the HCFA report by four or five times.

In regard to the mortality figures themselves we continue to be concerned about the fact that intensity within certain categories may vary greatly from hospital to hospital in ways that are not accounted for by the current methodology.

Thank you again for sending the material ahead of time for our comments.

Sincerely,

Arthur Caviness
Vice President of Marketing & Planning

ARC:tls

Kettering Memorial Hospital Sycamore Hospital Kettering College of Medical Arts

TIMKEN MERCY MEDICAL CTR

1320 TIMKEN MERCY DR NW
CANTON, OH 44708

Medicare Hospital Provider Number: 360070

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,043	11	10 - 14	3,118	11	10 - 14
Cancer	122	30	30 - 51	124	40	30 - 52
Cerebrovascular Accidents	111	21	20 - 36	96	26	20 - 39
Gastrointestinal Catastrophes	28	39	19 - 58	22	45	15 - 58
Infectious Disease	22	41	19 - 61	20	25	20 - 60
Metabolic/Electrolyte Disorders	44	23	11 - 42	38	21	13 - 44
Pulmonary Disease	159	25	17 - 34	151	26	18 - 36
Renal Failure	11	9	13 - 67	11	36	14 - 76
Severe Acute Heart Disease	112	42	27 - 48	118	45	30 - 50
Severe Chronic Heart Disease	164	31	14 - 30	167	23	16 - 30
Severe Trauma	6	0	9 - 61	7	29	7 - 71
Gastrointestinal Disease	197	2	2 - 7	227	2	1 - 6
Gynecologic Disease	27	0	0 -100	35	0	0 -100
Low-Risk Heart Disease	409	3	2 - 6	377	3	2 - 6
Musculoskeletal/Skin Conditions	336	3	1 - 6	360	1	1 - 5
Neuropsychiatric/Sensory Disease	147	2	0 - 9	184	1	0 - 6
Urologic Disease	97	3	0 - 18	96	2	0 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	508
Occupancy Rate (%):	65
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	250
Percent of Physicians Who Are Board Certified Specialists:	80
Interns and Residents:	0
Registered Nurses:	423
Licensed Practical Nurses:	118

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

TOLEDO HOSPITAL

2142 NORTH COVE BOULEVARD
TOLEDO, OH 43606

Medicare Hospital Provider Number: 360068

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	4,782	10	9 - 13	4,966	10	9 - 13
Cancer	191	38	30 - 49	217	38	31 - 50
Cerebrovascular Accidents	174	25	19 - 34	192	26	21 - 36
Gastrointestinal Catastrophes	45	36	18 - 50	38	34	19 - 54
Infectious Disease	69	30	24 - 50	55	47	22 - 52
Metabolic/Electrolyte Disorders	58	21	13 - 41	55	16	11 - 37
Pulmonary Disease	147	24	17 - 34	159	27	19 - 36
Renal Failure	32	22	21 - 68	25	40	19 - 72
Severe Acute Heart Disease	184	41	28 - 45	163	37	30 - 48
Severe Chronic Heart Disease	224	16	17 - 28	208	26	18 - 32
Severe Trauma	11	27	8 - 62	4	25	5 - 80
Gastrointestinal Disease	314	3	2 - 6	334	1	2 - 5
Gynecologic Disease	51	0	0 -100	43	0	0 -100
Low-Risk Heart Disease	701	3	2 - 5	741	3	2 - 5
Musculoskeletal/Skin Conditions	489	2	1 - 5	544	1	1 - 4
Neuropsychiatric/Sensory Disease	285	2	0 - 7	333	2	1 - 6
Urologic Disease	222	0	0 - 5	232	0	0 - 5

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	739
Occupancy Rate (%):	75
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	335
Percent of Physicians Who Are Board Certified Specialists:	74
Interns and Residents:	18
Registered Nurses:	952
Licensed Practical Nurses:	203

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

The Toledo Hospital
Medical Staff

October 11, 1988

William L. Roper, M.D.
Administrator
Health Care Financing Administration
Department of Health & Human Services
Washington, DC 20201

Dear Dr. Roper:

This is in response to the Health Care Financing Administration (HCFA) plan to publish selected mortality information about all short term acute care hospitals that treated Medicare patients in 1987.

The Toledo Hospital is an 814-bed, acute care, not-for-profit, regional referral center, affiliated with a medical school and treating the full spectrum of diseases up to but not including organ transplant programs. The Toledo Hospital projects that in 1988 it will provide $6 million in charity care.

Our institution engages in extensive quality review activities. The hospital performs concurrent review of our total in-house population on a daily basis. It has a pre-admission certification center that evaluates patients for severity of illness and need of admission to acute care facility. The hospital utilizes a retrospective computerized review program (MedisGroups) that identifies variations in severity of illness by diagnosis and/or diagnosis related group (DRG). This system also allows the hospital to identify resource use and physician practice patterns by individual physician and medical staff department. The system also allows us to compare the hospital with other institutions in the medisGroups program regarding length of stay, DRG performance, medical staff performance, disease outcomes, etc.

The revised presentation of HCFA data has been a positive change. Ability to track the information on a case-by-case basis adds much to its credibility.

The software package that allows the hospital to sort the data and thereby to identify problems is also a welcome addition for those who will use it. In our case, we have a good database and are able to massage it effectively.

The remaining issue to be addressed in our estimation is the identification of variations on severity of illness inside the various diagnostic categories. It is only with this information available that true comparisons may be made between hospitals.

2142 North Cove Boulevard Toledo, Ohio 43606 (419) 471-4186

We are proud that our hospital's HCFA published statistics are again very good and expect they will remain so into the foreseeable future.

In closing, it certainly appears that HCFA has heard the concerns of the providers and responded to them.

Sincerely,

John J. Newton, M.D.
Director of Medical Affairs/
Quality Assessment

ja

TRUMBULL MEMORIAL HOSPITAL

1350 EAST MARKET STREET
WARREN, OH 44482

Medicare Hospital Provider Number: 360055

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,886	11	9 - 13	2,741	11	10 - 14
Cancer	87	45	30 - 54	78	40	28 - 53
Cerebrovascular Accidents	78	40	16 - 39	100	29	20 - 39
Gastrointestinal Catastrophes	22	23	18 - 57	26	50	20 - 61
Infectious Disease	25	32	20 - 58	15	20	19 - 62
Metabolic/Electrolyte Disorders	70	21	17 - 43	54	28	17 - 46
Pulmonary Disease	155	26	20 - 37	192	23	18 - 34
Renal Failure	10	40	12 - 75	5	40	8 - 83
Severe Acute Heart Disease	89	40	26 - 49	111	32	31 - 51
Severe Chronic Heart Disease	170	22	17 - 31	128	21	16 - 32
Severe Trauma	8	38	11 - 72	8	38	14 - 75
Gastrointestinal Disease	199	5	1 - 9	193	4	1 - 9
Gynecologic Disease	16	6	0 -100	18	0	0 -100
Low-Risk Heart Disease	375	2	2 - 5	429	2	2 - 6
Musculoskeletal/Skin Conditions	338	2	1 - 5	307	2	1 - 6
Neuropsychiatric/Sensory Disease	163	2	1 - 8	98	3	0 - 21
Urologic Disease	127	3	0 - 17	90	0	0 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	457
Occupancy Rate (%):	55
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	153
Percent of Physicians Who Are Board Certified Specialists:	66
Interns and Residents:	0
Registered Nurses:	436
Licensed Practical Nurses:	96

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

TWIN CITY HOSPITAL

N FIRST AND FUHR ST
DENNISON, OH 44621

Medicare Hospital Provider Number: 360057

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	326	18	11 - 20	411	19	11 - 19
Cancer	8	75	20 - 77	6	83	17 - 78
Cerebrovascular Accidents	20	35	14 - 55	16	38	11 - 57
Gastrointestinal Catastrophes	2	0	0 - 93	1	0	0 - 98
Infectious Disease	7	29	11 - 73	3	0	3 - 79
Metabolic/Electrolyte Disorders	5	40	2 - 79	5	20	2 - 76
Pulmonary Disease	27	33	11 - 47	38	26	12 - 42
Renal Failure	3	33	11 - 94	2	50	3 - 93
Severe Acute Heart Disease	22	41	19 - 60	40	50	25 - 56
Severe Chronic Heart Disease	34	32	8 - 41	38	45	12 - 44
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	22	5	0 - 57	40	5	0 - 27
Gynecologic Disease	2	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	41	0	1 - 13	59	3	1 - 16
Musculoskeletal/Skin Conditions	23	0	1 - 25	25	4	0 - 84
Neuropsychiatric/Sensory Disease	5	0	0 -100	4	25	0 -100
Urologic Disease	13	0	0 -100	7	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	53
Occupancy Rate (%):	32
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	18
Percent of Physicians Who Are Board Certified Specialists:	44
Interns and Residents:	0
Registered Nurses:	30
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

TWIN CITY HOSPITAL
E. A. Roberto, CEO
CTH
First and Fuhr Streets, Dennison, Ohio 44621
614/922-2800

September 22, 1988

Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert:

The following are our comments regarding the 1987 HCFA Mortality Data:

1. All of our actual mortality data are within the predicted range for mortality.

2. Under hospital characteristics:

   A. In 1987, Number of beds should be 61 and not 42.
   B. We do have ICU/CCU facilities within the hospital.
   C. HCFA Occupancy Rate states is 40%. However according to our statistics for Medicare it should be about 50%(Medicare patient days for 1987 were 3,231 out of Total patient days of 6,481) rather than 40%.

3. Our Medicare case mix is bout 36% principal payor.

4. About 60% of admissions are admitted thru the ESD which could possibly be an indication as to the urgent nature of medical conditions admitted.

Respectfully submitted,

Edward A. Roberto
Chief Executive Officer

CC: CHERYL HICKS, RRA
QA COORDINATOR

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UNION HOSPITAL

659 BOULEVARD
DOVER, OH 44622

Medicare Hospital Provider Number: 360010

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,364	12	10 - 15	1,366	14	10 - 15
Cancer	32	59	24 - 59	41	66	28 - 59
Cerebrovascular Accidents	51	27	15 - 41	53	25	17 - 42
Gastrointestinal Catastrophes	11	45	12 - 68	13	62	12 - 64
Infectious Disease	26	27	17 - 53	14	14	14 - 56
Metabolic/Electrolyte Disorders	23	13	13 - 47	23	22	12 - 50
Pulmonary Disease	88	17	17 - 36	90	38	18 - 41
Renal Failure	7	57	17 - 86	4	25	7 - 84
Severe Acute Heart Disease	65	42	28 - 53	55	47	24 - 51
Severe Chronic Heart Disease	65	26	14 - 36	93	25	16 - 35
Severe Trauma	1	100	0 - 98	0	-	-
Gastrointestinal Disease	106	2	1 - 9	126	2	1 - 9
Gynecologic Disease	13	0	0 -100	16	0	0 -100
Low-Risk Heart Disease	154	3	1 - 8	145	4	1 - 9
Musculoskeletal/Skin Conditions	126	4	0 - 11	115	2	1 - 8
Neuropsychiatric/Sensory Disease	100	4	0 - 23	89	3	0 - 23
Urologic Disease	54	4	0 - 31	43	2	0 - 38

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	220
Occupancy Rate (%):	44
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	68
Percent of Physicians Who Are Board Certified Specialists:	47
Interns and Residents:	0
Registered Nurses:	115
Licensed Practical Nurses:	10

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

UNION
HOSPITAL

659 BOULEVARD DOVER, OHIO 44622 (216) 343-3311

October 21, 1988

Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2 - D - 2
6325 Security Boulevard
Baltimore, Maryland 21207

Attention: Sandra Kappert

Union Hospital appreciates HCFA's response to concerns expressed toward the 1986 groupings (reporting format). The change, however, showed little statistical impact for Union Hospital and still fails to identify areas in which the Hospital might provide high or low quality care. The data still fails to take into account the vast differences between hospitals with regards to services offered and care delivered. The public should not use the data in this report as the only indicator for the quality of care given in an individual hospital. Other criteria that should be considered in relation to severity of illness include:

1. the route of admission (i.e. emergency admissions);
2. admissions of patients from nursing homes, indicating an existing chronic condition;
3. condition on admission (i.e. patients who are already in a terminal stage of illness);
4. patient/family request for no resuscitative measures.

The data presented will be used by Union Hospital as another tool in our existing and ongoing system of mortality review in our effort to develop more and better quality measures.

Sincerely,

William W. Harding ky

William W. Harding
President and Chief Executive Officer

WWH/ky

UNIV OF CINCINNATI MED CTR

234 GOODMAN ST
CINCINNATI, OH 45267

Medicare Hospital Provider Number: 360003

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,053	10	9 - 13	2,956	9	9 - 13
Cancer	103	35	28 - 50	107	43	32 - 55
Cerebrovascular Accidents	91	16	16 - 33	88	15	16 - 33
Gastrointestinal Catastrophes	23	48	13 - 56	26	46	16 - 57
Infectious Disease	33	42	22 - 58	21	38	19 - 61
Metabolic/Electrolyte Disorders	49	22	12 - 41	47	13	8 - 35
Pulmonary Disease	123	27	20 - 38	126	21	16 - 33
Renal Failure	21	14	6 - 57	13	23	2 - 67
Severe Acute Heart Disease	85	33	26 - 48	82	49	29 - 52
Severe Chronic Heart Disease	114	15	14 - 29	100	12	14 - 30
Severe Trauma	21	52	8 - 54	17	65	10 - 58
Gastrointestinal Disease	173	2	1 - 7	167	4	1 - 9
Gynecologic Disease	22	0	0 -100	19	0	0 -100
Low-Risk Heart Disease	283	2	2 - 6	285	4	1 - 7
Musculoskeletal/Skin Conditions	261	2	0 - 6	273	1	1 - 5
Neuropsychiatric/Sensory Disease	269	1	0 - 6	274	1	1 - 5
Urologic Disease	97	0	0 - 9	127	0	1 - 6

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1985

Total Beds (#):	664
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	308
Registered Nurses:	731
Licensed Practical Nurses:	138

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

University of Cincinnati
Medical Center

238 Health Professions Building
Eden and Bethesda Avenues
Cincinnati, Ohio 45267-0811

October 23, 1988 Medicare No.: 36-0003

William L. Roper, M.D.
Administrator
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

RE: HCFA Mortality Data

Dear Dr. Roper:

The University of Cincinnati Hospital is a 728 bed teaching hospital which serves a large geographic population. As the only verified Level I Trauma Center within a 100 mile radius, the University of Cincinnati Hospital fulfills a unique role in the health care community. Almost 50 percent of all University Hospital admissions come through the Hospital's emergency room. The University of Cincinnati Hospital is a referral center and provides specialty services not otherwise available in the community, or available only on a limited basis. Because of its status as a trauma and referral center, the Hospital treats a disproportionate number of severely ill patients.

The University of Cincinnati Hospital is within the Health Care Financing Administration's range of predicted mortality for the 16 diagnostic categories and overall for all Medicare patients treated in 1987. However, we feel that it is important to comment on three of the categories reviewed by HCFA and illustrate how the use of mortality information alone is an inadequate measure of quality.

Trauma

Eleven deaths were identified in the mortality data for Trauma. Of the eleven deaths, three of the eleven patients were admitted for severe burns, four patients were admitted as a result of gun shot wounds to the head or chest, and two patients were involved in serious motor vehicle accidents; three patients arrived via our aeromedical services. These patients were directed to the University of Cincinnati Hospital due to the specialized care available at our institution.

Infectious Diseases

Of the fourteen deaths classified in the Infectious Diseases category, ten patients had a primary diagnosis of sepsis. Sepsis is usually a cause of death but is the result of a chronic or long term underlying medical condition. Seven of these patients were transferred from a nursing home and all of the patients had multiple complex medical problems. It is important to note that these patients were extremely moribund.

Gastrointestinal Catastrophes

Of the fourteen deaths in the Gastrointestinal Catastrophes category, ten patients admitted through the Emergency Center were in very poor and unstable physical condition upon admission. Six patients were transferred from nursing homes. All the the patients had multiple medical problems, often including alcohol abuse. Again, these patients were extremely moribund.

Mortality alone cannot represent the quality of care given at a particular institution. It is especially misleading when the role of an institution is to provide for very seriously ill patients a level of care that is unavailable at other facilities.

While we believe that it is in the best interests of the health care industry and the public to be able to measure quality relative to cost and severity of illness, we are concerned that releasing mortality data without also considering morbidity and long-term outcome for all patients is misleading and could result in inappropriate interpretation of data.

Sincerely,

Guy J. LaPrad

Guy J. La Prad, Administrator
Planning Information and Financial Services

cc: David J. Fine
Donald C. Harrison, M.D.

UNIVERSITY HOSPITALS OF CLEVELAND

2074 ABINGTON RD
CLEVELAND, OH 44106

Medicare Hospital Provider Number: 360137

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	4,034	10	10 - 13	3,994	11	10 - 14
Cancer	231	32	32 - 50	221	36	31 - 50
Cerebrovascular Accidents	127	16	18 - 33	120	27	17 - 35
Gastrointestinal Catastrophes	27	33	18 - 57	28	36	18 - 56
Infectious Disease	29	41	22 - 59	15	47	15 - 64
Metabolic/Electrolyte Disorders	46	17	13 - 41	49	20	11 - 40
Pulmonary Disease	135	34	20 - 39	148	27	18 - 35
Renal Failure	29	21	7 - 57	26	23	12 - 64
Severe Acute Heart Disease	77	35	27 - 50	120	33	29 - 48
Severe Chronic Heart Disease	156	15	16 - 29	146	15	16 - 30
Severe Trauma	9	22	8 - 64	8	25	5 - 67
Gastrointestinal Disease	187	3	2 - 8	186	4	1 - 9
Gynecologic Disease	47	0	0 - 95	34	0	0 - 97
Low-Risk Heart Disease	430	5	2 - 7	441	9	2 - 8
Musculoskeletal/Skin Conditions	523	3	1 - 5	475	3	1 - 5
Neuropsychiatric/Sensory Disease	235	6	1 - 9	277	2	1 - 6
Urologic Disease	113	3	0 - 11	133	1	0 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	791
Occupancy Rate (%):	81
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	922
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	501
Registered Nurses:	1,288
Licensed Practical Nurses:	20

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

US AIR FORCE HOSP

WRIGHT-PATTERSON AFB
DAYTON, OH 45433

Medicare Hospital Provider Number: 36006F

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1	100	0 -100	2	50	0 - 99
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	0	-	-	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	0	-	-
Musculoskeletal/Skin Conditions	0	-	-	0	-	-
Neuropsychiatric/Sensory Disease	0	-	-	0	-	-
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA (not available)

Total Beds (#):	350
Ownership/Control:	Federal Government

STAFFING

Interns and Residents:	0
Registered Nurses:	0
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

US HEALTH CORPORATION OF SOUTHERN OH

ONE HEALTH PLACE 727 EIGHTH ST
PORTSMOUTH, OH 45662

Medicare Hospital Provider Number: 360008

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,725	13	10 - 15	1,621	13	11 - 16
Cancer	53	49	27 - 56	64	50	26 - 54
Cerebrovascular Accidents	62	35	18 - 43	57	30	15 - 40
Gastrointestinal Catastrophes	17	47	20 - 67	18	33	19 - 64
Infectious Disease	26	27	20 - 56	23	22	18 - 56
Metabolic/Electrolyte Disorders	35	23	9 - 43	28	11	8 - 39
Pulmonary Disease	127	29	17 - 36	105	28	18 - 38
Renal Failure	5	60	8 - 82	6	50	10 - 82
Severe Acute Heart Disease	56	39	25 - 52	85	41	27 - 50
Severe Chronic Heart Disease	119	24	15 - 32	121	23	16 - 32
Severe Trauma	2	50	4 - 92	1	100	2 - 97
Gastrointestinal Disease	154	1	1 - 6	141	4	1 - 9
Gynecologic Disease	23	0	0 -100	20	0	0 -100
Low-Risk Heart Disease	203	2	1 - 7	212	2	2 - 7
Musculoskeletal/Skin Conditions	110	1	0 - 8	116	3	0 - 11
Neuropsychiatric/Sensory Disease	55	0	0 - 11	51	2	0 - 21
Urologic Disease	66	3	0 - 36	59	0	0 - 13

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	200
Occupancy Rate (%):	70
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	72
Percent of Physicians Who Are Board Certified Specialists:	58
Interns and Residents:	0
Registered Nurses:	183
Licensed Practical Nurses:	32

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

VAN WERT COUNTY HOSPITAL

1250 S WASHINGTON STREET
VAN WERT, OH 45891

Medicare Hospital Provider Number: 360071

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	688	16	10 - 16	685	13	9 - 15
Cancer	8	75	17 - 74	9	33	15 - 72
Cerebrovascular Accidents	45	27	16 - 43	21	43	12 - 53
Gastrointestinal Catastrophes	7	71	9 - 72	5	0	9 - 67
Infectious Disease	6	17	13 - 74	5	40	10 - 81
Metabolic/Electrolyte Disorders	17	24	8 - 52	6	33	4 - 73
Pulmonary Disease	49	24	16 - 42	53	30	16 - 43
Renal Failure	2	50	4 - 93	0	-	-
Severe Acute Heart Disease	30	43	20 - 56	37	51	25 - 57
Severe Chronic Heart Disease	47	19	15 - 39	39	21	12 - 39
Severe Trauma	0	-	-	2	0	3 - 88
Gastrointestinal Disease	81	9	0 - 25	72	6	1 - 17
Gynecologic Disease	11	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	60	3	1 - 15	66	3	1 - 13
Musculoskeletal/Skin Conditions	67	9	0 - 29	70	3	0 - 17
Neuropsychiatric/Sensory Disease	12	8	0 -100	10	0	0 -100
Urologic Disease	35	3	0 - 51	29	3	0 - 42

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	55
Occupancy Rate (%):	62
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	32
Percent of Physicians Who Are Board Certified Specialists:	56
Interns and Residents:	0
Registered Nurses:	67
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

VETERANS MEM HOSP

MULBERRY HGTS
POMEROY, OH 45769

Medicare Hospital Provider Number: 360200

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	426	17	10 - 18	372	17	11 - 19
Cancer	11	45	24 - 78	12	42	22 - 74
Cerebrovascular Accidents	18	33	13 - 55	13	31	13 - 61
Gastrointestinal Catastrophes	1	100	3 - 98	3	0	3 - 79
Infectious Disease	5	40	9 - 80	2	100	4 - 89
Metabolic/Electrolyte Disorders	21	38	10 - 53	15	20	4 - 51
Pulmonary Disease	36	19	14 - 42	29	45	13 - 50
Renal Failure	3	67	2 - 88	1	100	2 - 97
Severe Acute Heart Disease	18	39	16 - 60	24	42	22 - 60
Severe Chronic Heart Disease	23	17	11 - 44	22	32	10 - 49
Severe Trauma	1	100	0 - 98	0	-	-
Gastrointestinal Disease	31	6	0 - 42	30	0	0 - 20
Gynecologic Disease	1	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	61	3	1 - 16	29	7	0 - 42
Musculoskeletal/Skin Conditions	35	9	0 - 52	37	3	0 - 45
Neuropsychiatric/Sensory Disease	10	10	0 -100	4	0	0 -100
Urologic Disease	14	0	0 - 62	20	10	0 - 97

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	69
Occupancy Rate (%):	77
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	11
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WADSWORTH RITTMAN HOSPITAL

195 WADSWORTH ROAD
WADSWORTH, OH 44281

Medicare Hospital Provider Number: 360195

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	674	15	10 - 16	641	13	8 - 14
Cancer	16	44	20 - 67	15	73	27 - 71
Cerebrovascular Accidents	33	30	14 - 46	22	32	12 - 51
Gastrointestinal Catastrophes	4	50	12 - 88	3	0	2 - 80
Infectious Disease	9	44	14 - 73	6	33	5 - 73
Metabolic/Electrolyte Disorders	12	33	6 - 60	15	13	8 - 49
Pulmonary Disease	35	31	16 - 48	33	27	8 - 41
Renal Failure	3	67	11 - 94	0	-	-
Severe Acute Heart Disease	24	54	23 - 62	25	52	22 - 61
Severe Chronic Heart Disease	49	31	11 - 38	33	39	10 - 44
Severe Trauma	1	100	0 - 97	0	-	-
Gastrointestinal Disease	57	4	0 - 20	50	4	0 - 35
Gynecologic Disease	7	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	70	1	1 - 11	75	3	1 - 12
Musculoskeletal/Skin Conditions	79	3	1 - 12	89	3	0 - 14
Neuropsychiatric/Sensory Disease	11	0	0 - 55	5	0	0 - 97
Urologic Disease	18	6	0 -100	36	0	0 - 20

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	85
Occupancy Rate (%):	41
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	38
Percent of Physicians Who Are Board Certified Specialists:	66
Interns and Residents:	0
Registered Nurses:	65
Licensed Practical Nurses:	28

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WARREN GEN HOSP

667 EASTLAND AVE SE
WARREN, OH 44481

Medicare Hospital Provider Number: 360161

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,035	15	10 - 16	1,149	13	9 - 15
Cancer	25	48	18 - 58	23	43	22 - 62
Cerebrovascular Accidents	31	26	11 - 43	24	21	14 - 48
Gastrointestinal Catastrophes	9	22	14 - 68	11	36	11 - 66
Infectious Disease	7	57	8 - 73	14	57	16 - 66
Metabolic/Electrolyte Disorders	20	50	11 - 56	16	13	14 - 53
Pulmonary Disease	94	29	17 - 38	73	26	17 - 39
Renal Failure	4	25	8 - 85	3	0	11 - 86
Severe Acute Heart Disease	35	57	26 - 59	51	45	26 - 55
Severe Chronic Heart Disease	84	25	15 - 35	79	37	15 - 37
Severe Trauma	4	0	3 - 72	4	0	6 - 72
Gastrointestinal Disease	62	3	0 - 17	107	0	2 - 6
Gynecologic Disease	10	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	119	3	1 - 10	168	5	1 - 10
Musculoskeletal/Skin Conditions	92	2	0 - 15	109	4	0 - 12
Neuropsychiatric/Sensory Disease	21	10	0 - 65	24	0	0 - 95
Urologic Disease	46	2	0 - 60	43	2	0 - 61

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	166
Occupancy Rate (%):	67
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	74
Percent of Physicians Who Are Board Certified Specialists:	42
Interns and Residents:	20
Registered Nurses:	168
Licensed Practical Nurses:	66

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WARREN GENERAL HOSPITAL
An Osteopathic Community Hospital

October 20, 1988

Hospital I.D. 360161

William L. Roper, M.D.
Administrator
Health Care Financing Administration
Washington, D.C. 20201

Dear Dr. Roper:

We have reviewed the mortality information about Medicare patients discharged from Warren General Hospital in 1987 which you forwarded to us in your letter of September 15, 1988. Our comments follow in the text of this letter.

To preface our remarks about our hospital specific mortality data, we would like to reiterate and emphasize the position, taken by HCFA, the AHA and others, that the data should not be interpreted as a complete measure of quality of care at any hospital. It should not be used as the basis to judge the quality of care at an individual hospital or to make comparisions among hospitals. Since the predictive model used by HCFA does not take into account clinical data pertinent to the severity of illness of individual patients, its utility is clearly limited. HCFA has recognized this concern and is to be commended for the efforts it has initiated to address this significant deficiency.

The Hospital has conducted research on the 152 patients who HCFA reports died within 30 days of their last admission of 1987 to Warren General Hospital. A breakdown of total deaths by age of patient, source of admission, and status at discharge from the Hospital is presented below:

Age of Patient	#	%
Under 65	8	5%
65-74	32	21%
75-84	63	41%
85-94	42	28%
95+	7	5%
total	152	100%

Source of Admission	#	%
Home	89	59%
Nursing Home	61	40%
Other Hospital	2	1%
Total	152	100%

Discharge Status	#	%
Died in Hospital	109	72%
To Nursing Home	29	19%
To Home	13	8%
Transfer to Another Hospital	1	1%
Total	152	100%

Average Age 80

Two of the aforementioned characteristics are especially relevant to the Hospital's mortality rate: a significant portion (40%) of the patients who died were admitted to the Hospital from nursing homes in the area, and nearly one-third of the patients who died were 85 years of age or older. Typically, patients with the aforementioned characteristics have chronic conditions in addition to an acute problem which necessitates hospital admission, a factor which adversely affects their mortality rate. These characteristics are consistent with the fact that many staff physicians at the Hospital serve as Medical Directors of area skilled nursing facilities.

For four of the sixteen HCFA diagnostic categories, the Hospital wishes to supply additional information about the characteristics of the patients who died. We believe the information is useful in interpreting the relationship between the actual mortality rate and the range of mortality rates predicted by the HCFA model.

HCFA reports a Hospital mortality rate of 57% for the Severe Acute Heart Disease category (20 deaths, 35 patients), and predicts a range of mortality rates from 26 to 59%. Six of the 20 patients who died were in cardiac arrest upon arrival at the Hospital emergency room. Seventeen of the twenty patients who died had a history of chronic disease which complicated their severe acute heart disease.

The range of predicted mortality rates in the Metabolic/Electrolyte Disturbances category is 11 to 56%. HCFA reports an actual mortality rate for the Hospital of 50% (10 deaths, 20 patients). Eight of the ten patients who died had multiple chronic disorders. In four cases, the patient or the patient's family requested that no heroic measures be taken to sustain the patient's life. The average age of patients who died was 79.

HCFA predicts a range of mortality rates from 18 to 58% for the Cancer category and reports a Hospital mortality rate of 48% (12 deaths, 25 patients). In all 12 cases that the patient died, the cancer had metastasized, and the patient and/or family requested that no cardio-pulmonary resusitation be used.

For the Pulmonary Disease category the Hospital mortality rate is 29% (27 deaths, 94 patients), and the range of predicted mortality rates is 17 to 38%. In 16 cases, the patient or the patient's family requested that no heroic measures be taken to sustain the patient's life. Nineteen of the patients who died were admitted from nursing homes, and all of those patients had multiple chronic disorders complicating their acute condition. The average age of patients who died was 82.

In summary, a review of deaths which occurred in specific diagnostic categories in the 1987 report reveals that many of the patients were afflicted with complicating chronic disorders which jeopardized their chances for recovery. In a significant number of cases, no heroic measures were taken to sustain the patient's life at the request of the patient or the patient's family. Our previous review of deaths cited in the 1986 report produced similar information.

With respect to the information on hospital characteristics selected from the 1987 AHA files, one item is incorrect. Warren General Hospital does have a coronary care unit. Apparently this mistake stems from the wording of the AHA survey itself, which inquires if a hospital has an intensive care unit which provides "cardiac care only" or an intensive care unit which provides "mixed or other care". We have a unit specifically for intensive care patients and a unit specifically for coronary care patients, therefore we provided the latter response to the AHA.

We appreciate the more detailed explanation of the predictive model which HCFA has supplied with this year's report, thereby enhancing the value of such information to the Hospital's internal clinical review processes.

Thank you for this opportunity to comment on HCFA's publication of Medicare Hospital Mortality Information.

Very truly yours,

Randall S Evans

Randall S. Evans
Executive Director

RSE/ss

WAYNE HOSPITAL COMPANY

835 SWEITZER ST
GREENVILLE, OH 45331

Medicare Hospital Provider Number: 360044

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	903	12	10 - 15	930	13	10 - 15
Cancer	29	41	29 - 66	28	43	23 - 61
Cerebrovascular Accidents	37	41	13 - 45	46	37	15 - 43
Gastrointestinal Catastrophes	6	0	11 - 63	7	29	10 - 72
Infectious Disease	14	29	17 - 64	14	57	18 - 68
Metabolic/Electrolyte Disorders	15	7	5 - 43	14	29	18 - 65
Pulmonary Disease	58	16	15 - 36	55	22	15 - 40
Renal Failure	4	25	9 - 85	3	67	8 - 90
Severe Acute Heart Disease	41	46	24 - 55	37	51	26 - 58
Severe Chronic Heart Disease	50	32	14 - 40	41	27	11 - 40
Severe Trauma	1	0	0 - 98	2	0	3 - 88
Gastrointestinal Disease	74	1	1 - 11	75	1	1 - 10
Gynecologic Disease	11	0	0 -100	14	0	0 -100
Low-Risk Heart Disease	96	7	0 - 17	83	2	1 - 11
Musculoskeletal/Skin Conditions	81	2	1 - 12	99	4	0 - 16
Neuropsychiatric/Sensory Disease	20	0	0 - 61	30	3	0 - 94
Urologic Disease	55	2	0 - 23	40	2	0 - 34

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	92
Occupancy Rate (%):	48
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	36
Percent of Physicians Who Are Board Certified Specialists:	86
Interns and Residents:	0
Registered Nurses:	66
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WELLINGTON COMMUNITY HOSPITAL

510 DICKSON STREET
WELLINGTON, OH 44090

Medicare Hospital Provider Number: 360168

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	116	9	5 - 17	167	5	6 - 14
Cancer	1	100	3 - 98	3	67	10 - 90
Cerebrovascular Accidents	2	0	2 - 89	2	50	4 - 93
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	1	0	0 - 98	1	0	0 - 98
Metabolic/Electrolyte Disorders	3	0	0 - 87	10	0	4 - 44
Pulmonary Disease	8	0	5 - 48	14	0	10 - 38
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	4	50	8 - 84	6	17	10 - 71
Severe Chronic Heart Disease	12	33	4 - 58	8	13	5 - 59
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	9	0	0 - 91	12	0	0 - 97
Gynecologic Disease	2	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	22	5	0 - 66	32	6	0 - 38
Musculoskeletal/Skin Conditions	12	0	0 - 99	19	0	0 - 96
Neuropsychiatric/Sensory Disease	2	0	0 -100	4	0	0 -100
Urologic Disease	6	0	0 -100	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	21
Occupancy Rate (%):	24
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	25
Interns and Residents:	0
Registered Nurses:	12
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WILSON MEM HOSP

915 W MICHIGAN ST
SIDNEY, OH 45365

Medicare Hospital Provider Number: 360013

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	777	12	9 - 15	797	16	10 - 16
Cancer	19	53	24 - 68	28	61	28 - 65
Cerebrovascular Accidents	25	36	14 - 52	28	21	16 - 47
Gastrointestinal Catastrophes	8	50	12 - 74	8	63	11 - 72
Infectious Disease	11	18	16 - 65	7	0	10 - 57
Metabolic/Electrolyte Disorders	33	9	12 - 40	26	31	10 - 49
Pulmonary Disease	31	26	12 - 45	33	27	13 - 45
Renal Failure	5	20	7 - 79	1	100	0 -100
Severe Acute Heart Disease	27	52	21 - 58	31	39	24 - 58
Severe Chronic Heart Disease	52	23	12 - 36	66	32	13 - 37
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	78	5	0 - 19	69	3	2 - 13
Gynecologic Disease	7	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	121	7	1 - 13	99	3	1 - 11
Musculoskeletal/Skin Conditions	59	0	0 - 11	54	4	0 - 29
Neuropsychiatric/Sensory Disease	16	0	0 - 95	21	0	0 - 92
Urologic Disease	38	0	0 - 41	50	4	0 - 49

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	112
Occupancy Rate (%):	44
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	31
Percent of Physicians Who Are Board Certified Specialists:	71
Interns and Residents:	0
Registered Nurses:	74
Licensed Practical Nurses:	14

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WOOD CO HOSP

950 W WOOSTER ST
BOWLING GREEN, OH 43402

Medicare Hospital Provider Number: 360029

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,032	13	10 - 15	1,023	9	9 - 14
Cancer	30	57	26 - 63	23	39	25 - 65
Cerebrovascular Accidents	27	41	13 - 50	35	34	17 - 49
Gastrointestinal Catastrophes	6	33	13 - 79	10	40	12 - 69
Infectious Disease	13	38	16 - 66	7	43	11 - 75
Metabolic/Electrolyte Disorders	10	40	10 - 67	9	33	5 - 65
Pulmonary Disease	80	21	17 - 38	52	17	18 - 41
Renal Failure	7	29	15 - 82	3	67	6 - 89
Severe Acute Heart Disease	34	44	23 - 56	37	30	24 - 55
Severe Chronic Heart Disease	48	21	14 - 39	48	21	13 - 37
Severe Trauma	2	50	2 - 92	1	0	0 - 98
Gastrointestinal Disease	90	4	1 - 13	105	3	1 - 11
Gynecologic Disease	11	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	133	4	1 - 10	137	1	1 - 7
Musculoskeletal/Skin Conditions	111	1	1 - 7	99	4	0 - 15
Neuropsychiatric/Sensory Disease	26	0	0 - 38	32	0	0 - 26
Urologic Disease	60	2	1 - 13	52	0	1 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 125
Occupancy Rate (%): 64
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 43
Percent of Physicians Who Are Board Certified Specialists: 58
Interns and Residents: 0
Registered Nurses: 79
Licensed Practical Nurses: 63

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

Medicare Provider Number: 360029

PERSONALLY WE CARE . . .
PROFESSIONALLY WE SERVE.

WOOD COUNTY HOSPITAL

September 29, 1988

Mrs. Sandra Kappert
Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert,

After having reviewed the mortality information, there are four patients listed with incorrect principal diagnoses. Although three of the diagnoses are listed on your report as originally submitted by our hospital, they are now incorrect as the result of a PRO review change. The fourth error appears to be the result of number transposition.

Please see attached corrections.

Sincerely,

Linda L. Cox

Linda L. Cox, A.R.T.
Medical Record Department

LLC/lg

WOOSTER COMMUNITY HOSPITAL

1761 BEALL AVE
WOOSTER, OH 44691

Medicare Hospital Provider Number: 360036

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,086	14	11 - 16	1,071	13	10 - 16
Cancer	33	36	26 - 60	24	50	23 - 63
Cerebrovascular Accidents	47	32	15 - 42	50	26	15 - 40
Gastrointestinal Catastrophes	10	60	16 - 72	14	50	16 - 67
Infectious Disease	16	44	14 - 62	9	22	11 - 66
Metabolic/Electrolyte Disorders	12	33	13 - 65	13	31	17 - 67
Pulmonary Disease	82	27	15 - 36	61	33	15 - 41
Renal Failure	6	50	6 - 79	4	75	7 - 84
Severe Acute Heart Disease	63	43	26 - 51	66	42	25 - 50
Severe Chronic Heart Disease	50	24	15 - 39	56	30	13 - 38
Severe Trauma	4	0	5 - 71	1	100	2 - 97
Gastrointestinal Disease	76	5	0 - 19	86	3	1 - 12
Gynecologic Disease	11	0	0 -100	17	0	0 -100
Low-Risk Heart Disease	113	6	1 - 13	98	4	1 - 12
Musculoskeletal/Skin Conditions	106	0	1 - 6	108	1	1 - 8
Neuropsychiatric/Sensory Disease	40	5	0 - 42	49	0	0 - 16
Urologic Disease	36	0	0 - 20	38	0	0 - 20

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	123
Occupancy Rate (%):	54
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	56
Percent of Physicians Who Are Board Certified Specialists:	77
Interns and Residents:	0
Registered Nurses:	118
Licensed Practical Nurses:	48

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WYANDOT MEM HOSP

885 N SANDUSKY AVE
UPPER SANDUSKY, OH 43351

Medicare Hospital Provider Number: 360128

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	377	16	11 - 19	386	16	12 - 20
Cancer	8	75	14 - 71	6	0	14 - 64
Cerebrovascular Accidents	14	21	10 - 54	10	60	12 - 67
Gastrointestinal Catastrophes	2	50	2 - 92	5	100	14 - 70
Infectious Disease	4	0	8 - 72	9	44	10 - 70
Metabolic/Electrolyte Disorders	17	12	8 - 47	14	29	8 - 57
Pulmonary Disease	44	36	16 - 45	44	34	20 - 49
Renal Failure	2	0	5 - 90	0	-	-
Severe Acute Heart Disease	20	45	24 - 66	21	38	23 - 63
Severe Chronic Heart Disease	24	17	11 - 43	28	25	14 - 47
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	32	13	0 - 67	34	3	1 - 24
Gynecologic Disease	3	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	45	4	0 - 23	58	7	1 - 22
Musculoskeletal/Skin Conditions	19	0	0 - 42	23	0	0 - 78
Neuropsychiatric/Sensory Disease	5	0	0 -100	6	0	0 -100
Urologic Disease	25	4	0 - 60	17	6	0 - 92

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	42
Occupancy Rate (%):	38
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	9
Percent of Physicians Who Are Board Certified Specialists:	44
Interns and Residents:	0
Registered Nurses:	23
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

W. M. H.

Wyandot Memorial Hospital

885 NORTH SANDUSKY AVENUE • UPPER SANDUSKY, OHIO 43351 • (419) 294-4991

October 18, 1988

Office Of The Administrator

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, MD 21207

RE: Medicare Mortality Information   Hospital ID Number: 360128

Dear Mrs. Kappert:

I am in receipt of the letter from William L. Roper, M.D., Administrator of the Health Care Financing Administration. In his letter, he gives us the opportunity to review the HCFA Mortality Study which is going to be published in December of 1988. Once again, I deeply appreciate the opportunity to comment on that mortality study.

The following comments are the comments that I would ask to be included in the published Mortality Study:

> Diagnostic Category-Cancer: A review of the records concerning the patients in this particular diagnostic category indicates that almost 40% were "No-Code" patients at this hospital; 25% of the people that expired, expired in less than 24 hours of admission to the hospital; 25% expired in the hospital in a period greater than 24 hours; and 50% expired in a setting other than Wyandot Memorial Hospital. Of the patients in the study, 75% were diagnosed as having metastatic carcinoma. If we delete the three (3) patients that had "No-Code" orders, since they were expected to die, we find our Mortality Rate becomes 37.5%, toward the low end of the expected predicted range.
>
> Diagnostic Category-Severe Acute Heart Disease: We find that $\frac{1}{4}$ of the cases diagnosed as severe acute heart disease had "No-Code Orders" at Wyandot Memorial Hospital, and 56% of the cases diagnosed as severe acute heart disease who expired within 30 days, were a No-Code. Again, if we delete the five (5) patients that had "No-Code" orders, we find our Mortality Rate becomes 20%, which is below the predicted mortality range.
>
> Diagnostic Category-Pulmonary Disease: A review of those records indicates that almost 70% of the cases in pulmonary disease had "No Code" orders written on the chart. Here we have an interesting statistic. Since 70% had "No-Code" orders, we had a larger percentage "expected" to die (31 patients) than actually expired (16 patients).

Mrs. Kappert, additionally, on the Medicare Hospital Mortality Information Sheet which you forwarded to me, there are two (2) errors from the American Hospital Association data for 1986. First, there is an error in the number of beds. Forty-two (42) were clearly reported to the American Hospital Association, as I checked the report that went into the AHA. If they keypunched in 31, that is a keypunch error on their part. Please change the report to reflect 42. Secondly, under Staffing, Board Certified Specialists, we did not use the correct column on the report form. The Board Certified Specialists should have been reported as three (3) in 1986. I would appreciate it if you would correct that information also.

Once again, thank you for giving us the opportunity to comment on the Mortality Data. It is certainly appreciated.

Sincerely,

John D Harbaugh

John D. Harbaugh, FAAMA
Administrator

JDH/vu

YOUNGSTOWN HOSPITAL ASSN

345 OAK HILL AVE
YOUNGSTOWN, OH 44501

Medicare Hospital Provider Number: 360141

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	4,837	11	10 - 14	4,859	11	10 - 14
Cancer	209	40	29 - 48	226	45	31 - 50
Cerebrovascular Accidents	179	21	19 - 33	154	26	18 - 34
Gastrointestinal Catastrophes	31	35	21 - 58	47	26	22 - 52
Infectious Disease	108	33	24 - 47	67	25	24 - 50
Metabolic/Electrolyte Disorders	85	24	14 - 40	69	29	13 - 41
Pulmonary Disease	217	27	19 - 35	208	19	18 - 33
Renal Failure	30	33	12 - 63	20	25	12 - 66
Severe Acute Heart Disease	255	31	29 - 44	294	28	31 - 45
Severe Chronic Heart Disease	252	15	16 - 28	223	23	17 - 30
Severe Trauma	9	33	5 - 66	6	33	5 - 74
Gastrointestinal Disease	347	2	1 - 6	328	3	1 - 6
Gynecologic Disease	47	0	0 - 81	40	0	0 -100
Low-Risk Heart Disease	625	4	2 - 5	642	3	2 - 5
Musculoskeletal/Skin Conditions	373	3	1 - 6	489	2	1 - 5
Neuropsychiatric/Sensory Disease	113	2	1 - 9	112	1	1 - 7
Urologic Disease	256	1	1 - 6	290	1	0 - 6

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#): 949
Ownership/Control: Private, Non-profit

STAFFING

Interns and Residents: 110
Registered Nurses: 685
Licensed Practical Nurses: 115

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: Yes

YOUNGSTOWN OSTEOPATHIC HOSPITAL

1319 FLORENCEDALE AVE
YOUNGSTOWN, OH 44505

Medicare Hospital Provider Number: 360126

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	955	12	10 - 16	931	11	10 - 15
Cancer	30	30	25 - 60	22	41	24 - 65
Cerebrovascular Accidents	39	26	14 - 43	34	26	13 - 43
Gastrointestinal Catastrophes	8	38	7 - 69	10	50	10 - 68
Infectious Disease	15	27	15 - 61	23	22	16 - 53
Metabolic/Electrolyte Disorders	22	32	14 - 55	26	12	8 - 40
Pulmonary Disease	58	36	18 - 44	58	28	18 - 44
Renal Failure	4	75	11 - 87	8	50	16 - 83
Severe Acute Heart Disease	27	48	24 - 62	18	44	23 - 66
Severe Chronic Heart Disease	75	25	16 - 36	59	24	14 - 37
Severe Trauma	1	100	0 - 97	2	0	1 - 90
Gastrointestinal Disease	66	3	0 - 19	49	4	0 - 44
Gynecologic Disease	8	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	127	4	1 - 10	149	3	2 - 8
Musculoskeletal/Skin Conditions	124	1	1 - 7	116	1	1 - 7
Neuropsychiatric/Sensory Disease	28	7	0 - 80	12	0	0 -100
Urologic Disease	32	3	0 - 62	34	0	0 - 19

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	140
Occupancy Rate (%):	59
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	75
Percent of Physicians Who Are Board Certified Specialists:	37
Interns and Residents:	5
Registered Nurses:	95
Licensed Practical Nurses:	65

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

Mark C. Barabas
Administrator

Youngstown Osteopathic Hospital

OHIO UNIVERSITY COLLEGE OF OSTEOPATHIC MEDICINE—REGIONAL CAMPUS

October 4, 1988

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, Maryland 21207

RE: Medicare Provider #360126
Youngstown Osteopathic Hospital

Dear Mrs. Kappert,

I am responding to the medical mortality information sent to my institution by the HCFA on September 15th, 1988. In the Diagnostic Category, "severe trauma", the 100% mortality rate assigned to my institution is attributable to only one severe trauma case in the sample size. Any study done with the sample size of one is unproven statistically. I feel that if you want to be on sound statistical grounds, the sample size should be increased.

Under specialty service, Youngstown Osteopathic Hospital is listed as not having a Coronary Care Unit. Please correct this misconception as we have had a Coronary Care Unit at YOH for a number of years.

Sincerely,

Mark C. Barabas
Administrator

/co
cc: Alice Hill
Brenda Roberts

1319 Florencedale Avenue
Youngstown, Ohio 44505
(216) 744-9200

A CENTER OF RACINE INC

2000 DOMANICK DRIVE
RACINE, WI 53404

Medicare Hospital Provider Number: 520175

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	16	0	0 -100	29	0	0 - 77
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	0	-	-	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	0	-	-
Musculoskeletal/Skin Conditions	0	-	-	0	-	-
Neuropsychiatric/Sensory Disease	16	0	0 -100	29	0	0 - 77
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1986

Total Beds (#):	22
Ownership/Control:	Church

STAFFING

Interns and Residents:	0
Registered Nurses:	6
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ADAMS COUNTY MEMORIAL HOSPITAL

402 W LAKE ST
FRIENDSHIP, WI 53934

Medicare Hospital Provider Number: 520074

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	325	13	8 - 16	341	11	8 - 16
Cancer	4	75	8 - 82	11	36	17 - 70
Cerebrovascular Accidents	17	41	9 - 54	15	47	10 - 58
Gastrointestinal Catastrophes	2	0	4 - 89	3	33	5 - 86
Infectious Disease	2	50	5 - 94	2	0	3 - 88
Metabolic/Electrolyte Disorders	6	33	5 - 73	7	29	5 - 69
Pulmonary Disease	16	19	13 - 53	20	10	15 - 46
Renal Failure	2	50	7 - 96	2	50	4 - 93
Severe Acute Heart Disease	18	28	18 - 59	14	29	18 - 64
Severe Chronic Heart Disease	12	33	5 - 58	9	22	6 - 61
Severe Trauma	1	0	0 - 98	0	-	-
Gastrointestinal Disease	20	5	0 - 66	32	6	0 - 53
Gynecologic Disease	4	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	32	6	0 - 32	39	0	1 - 14
Musculoskeletal/Skin Conditions	23	0	0 - 98	32	3	0 - 75
Neuropsychiatric/Sensory Disease	9	0	0 - 99	11	0	0 - 96
Urologic Disease	14	0	0 -100	14	0	0 - 82

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	67
Occupancy Rate (%):	52
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	8
Percent of Physicians Who Are Board Certified Specialists:	88
Interns and Residents:	0
Registered Nurses:	30
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ALGOMA MEMORIAL HOSPITAL

1510 FREMONT STREET
ALGOMA, WI 54201

Medicare Hospital Provider Number: 520127

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	93	17	7 - 24	148	15	9 - 21
Cancer	1	100	3 - 98	4	25	8 - 81
Cerebrovascular Accidents	8	13	11 - 62	4	50	5 - 82
Gastrointestinal Catastrophes	1	0	0 - 98	1	0	0 - 99
Infectious Disease	0	-	-	1	0	0 -100
Metabolic/Electrolyte Disorders	5	60	2 - 79	5	20	4 - 74
Pulmonary Disease	9	44	6 - 66	3	0	2 - 81
Renal Failure	1	100	2 - 97	1	100	0 - 98
Severe Acute Heart Disease	4	75	12 - 85	17	24	23 - 63
Severe Chronic Heart Disease	2	0	0 - 93	15	27	7 - 52
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	15	0	0 - 85	9	0	0 -100
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	16	6	0 - 58	24	17	0 - 83
Musculoskeletal/Skin Conditions	11	0	0 - 98	16	0	0 - 87
Neuropsychiatric/Sensory Disease	2	0	0 -100	6	0	0 -100
Urologic Disease	2	0	0 -100	3	0	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	77
Occupancy Rate (%):	69
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	14
Interns and Residents:	0
Registered Nurses:	6
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

APPLE RIVER VALLEY MEM HOSP

221 SCHOLL ST
AMERY, WI 54001

Medicare Hospital Provider Number: 520018

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	345	12	9 - 17	312	12	10 - 18
Cancer	5	80	13 - 80	7	14	20 - 76
Cerebrovascular Accidents	15	60	11 - 58	23	26	13 - 49
Gastrointestinal Catastrophes	4	25	1 - 82	4	25	10 - 84
Infectious Disease	0	-	-	1	0	1 - 97
Metabolic/Electrolyte Disorders	4	50	2 - 83	9	11	5 - 57
Pulmonary Disease	32	19	12 - 41	27	19	14 - 46
Renal Failure	1	0	3 - 98	0	-	-
Severe Acute Heart Disease	21	33	25 - 65	10	40	18 - 73
Severe Chronic Heart Disease	12	25	7 - 57	24	17	12 - 44
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	30	3	0 - 51	36	8	0 - 37
Gynecologic Disease	6	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	49	2	1 - 16	52	4	1 - 17
Musculoskeletal/Skin Conditions	32	6	0 - 64	20	0	0 - 61
Neuropsychiatric/Sensory Disease	6	0	0 - 76	5	0	0 -100
Urologic Disease	16	0	0 -100	9	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	49
Occupancy Rate (%):	27
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	28
Percent of Physicians Who Are Board Certified Specialists:	18
Interns and Residents:	0
Registered Nurses:	27
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ARH Apple River Hospital
221 Scholl Street / Amery, Wisconsin 54001 / (715) 268-7151

October 20, 1988

Health Standards and Quality Bureau, HCFA
Attn: Mrs. Sandra Kappert
Meadows East Building, 2 - D - 2
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert:

After reviewing the Medicare Hospital Mortality information provided to Apple River Hospital by the Health Care Financing Administration, I would request that the following comments be included in the final report.

1. Under Hospital Characteristics, please note that 20 of the 26 physicians on staff at Apple River Hospital are Board certified specialists. Please correct this data on the final report.

2. The mortality rate for cerebrovascular accidents for the hospital exceeded the range of predicted mortality. After reviewing the medical records of the 9 individuals who died within 30 days of admission as a result of CVA, we have found the following information:

    - Two of the 9 individuals died of other causes not related to the CVA that were pre-existing cardiovascular problems.

    - The other 7 individuals suffered severe CVA's which resulted in total incapacitation. Because of the severity of the stroke, 5 of these individuals had DNR (do not resuscitate) orders requested by their families.

    - In addition, all of the 9 individuals had other existing health care problems such as COPD and CHF brought upon by their age which averaged 84.

3. Of the 43 deaths recorded by HCFA, 14 individuals died after being discharged from Apple River Hospital. A review of these cases indicates that 8 of the individuals died of causes unrelated to their last admission. The remaining 6 individuals also had existing health problems including chronic heart and lung diseases which contributed to their deaths.

4. Another factor that must be considered when analyzing the HCFA data is that Apple River Hospital serves a community which contains a very large segment of retired individuals.

This results in the hospital treating the very elderly individual. When evaluating the HCFA data, it should be noted that of the 43 deaths which occurred in 1987, 44% of the people were 85 years of age or older. Only 14% were under the age of 75.

Apple River Hospital utilizes a variety of systems and information to evaluate the quality of care provided to our patients. Although mortality data can be used in ongoing quality assurance efforts, mortality data in and of itself can not measure the quality of care provided at the hospital nor can it be used to compare the care given at one hospital with that of others.

Sincerely,

APPLE RIVER HOSPITAL, INC.

Michael Karuschak, Jr.
Administrator

MK:mf

APPLETON MEDICAL CENTER

1818 NORTH MEADE STREET
APPLETON, WI 54911

Medicare Hospital Provider Number: 520160

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,646	9	8 - 12	1,504	9	9 - 13
Cancer	37	19	25 - 54	40	57	24 - 56
Cerebrovascular Accidents	42	24	15 - 42	35	6	15 - 35
Gastrointestinal Catastrophes	9	44	13 - 72	16	38	20 - 67
Infectious Disease	5	40	7 - 79	9	44	16 - 75
Metabolic/Electrolyte Disorders	4	25	1 - 84	7	14	12 - 69
Pulmonary Disease	43	19	14 - 40	51	24	15 - 41
Renal Failure	1	0	1 - 97	3	67	6 - 89
Severe Acute Heart Disease	79	38	25 - 48	70	21	26 - 48
Severe Chronic Heart Disease	84	24	14 - 33	100	19	15 - 32
Severe Trauma	2	0	0 - 93	0	-	-
Gastrointestinal Disease	99	1	1 - 8	104	1	1 - 8
Gynecologic Disease	16	0	0 -100	15	0	0 -100
Low-Risk Heart Disease	442	3	2 - 6	323	3	2 - 7
Musculoskeletal/Skin Conditions	156	3	1 - 9	153	3	0 - 10
Neuropsychiatric/Sensory Disease	45	0	2 - 12	35	9	0 - 77
Urologic Disease	47	2	0 - 45	44	0	0 - 17

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	156
Occupancy Rate (%):	61
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	167
Percent of Physicians Who Are Board Certified Specialists:	73
Interns and Residents:	0
Registered Nurses:	170
Licensed Practical Nurses:	50

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	Yes
Hospice Care:	No

Hospital ID #520160

Appleton Medical Center

William L. Roper, M.D.
Administrator
Department of Health and Human Services
Health Care Financing Administration
Washington, D.C. 20201

Dear Dr. Roper:

I am writing to comment on the selected mortality information about hospitals treating Medicare patients in 1987 and characteristics of those hospitals. I would like first to clarify the reported characteristics of our hospital. First of all, the hospital's correct name is Appleton Medical Center. It is a 152 bed (plus six neo-natal beds) acute care private, not-for-profit facility with a 1987 occupancy rate of 64%. There were in 1987, 167 physicians on the AMC staff of whom 73% were board certified specialists.

We are pleased to find that Appleton Medical Center's mortality rates compare favorably to standards you report. It is difficult to comment on the 1986 data as it varies significantly with the report published last year. Staff in HCFA's Health Standards and Quality Bureau could not, for example, explain which cancer cases reported in 1987 were also reported in 1988. The number varies from 118 in 1987 to 40 in 1988. We are therefore unable to comment on the 1986 mortality information but will offer comments to assist in interpreting the 1987 data.

Appleton Medical Center serves as a regional referral center specializing in cardiac care as indicated by the HCFA report. AMC has a fully staffed emergency department and receives many critically ill patients, some from other health care facilities. Nearly 4% of the reported deaths occurred on the day of admission and 29% within the first five days. Most of these deaths occurred in people with severe heart disease with very acute conditions. They died almost immediately. In addition, our records indicate 2,426 Medicare admissions in 1987. Final 1987 hospitalizations reported by HCFA number 1,646. It would seen that the additional 780 admissions were repeat hospitalizations of the same patients. This again indicates the severity of the patients' initial condition.

1818 North Meade St., Appleton, WI 54911 414/731-4101

It must also be noted that of the deaths reported within 30 days of a hospital admission, 16 (11%) occurred after discharge from Appleton Medical Center. Our records indicate that 8 of these people went from AMC to nursing homes and 8 went home, 5 with home health care. Most of these patients were provided care by the hospice program with which Appleton Medical Center is affiliated. In all cases, the hospital provided discharge planning assistance.

We appreciate the opportunity to comment on the mortality statistics before they are published. Appleton Medical Center's quality assurance program includes concurrent medical staff review of all deaths. Physicians review appropriateness and quality of care. This report enhances our review program by comparing our mortality rates with those of other providers. The favorable comparison of Appleton Medical Center to other facilities confirms my confidence in the high quality of care at Appleton Medical Center.

If you, or others making use of the information, would like to further discuss the mortality data, please contact me.

Sincerely,

W Edwards

Walter L. Edwards,
Executive Vice President, COO

WLE/cb

BALDWIN COMMUNITY MEMORIAL HOSPITAL

950 CURTIS STREET
BALDWIN, WI 54002

Medicare Hospital Provider Number: 520123

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	293	11	11 - 18	304	12	12 - 20
Cancer	2	0	8 - 91	4	100	23 - 86
Cerebrovascular Accidents	7	14	7 - 64	11	27	12 - 63
Gastrointestinal Catastrophes	0	-	-	1	0	3 - 98
Infectious Disease	8	38	12 - 73	7	29	15 - 77
Metabolic/Electrolyte Disorders	2	0	0 - 97	6	0	0 - 75
Pulmonary Disease	36	22	19 - 48	24	21	17 - 52
Renal Failure	0	-	-	4	25	15 - 91
Severe Acute Heart Disease	11	27	21 - 71	24	25	27 - 62
Severe Chronic Heart Disease	14	7	7 - 42	9	11	7 - 56
Severe Trauma	2	0	4 - 89	0	-	-
Gastrointestinal Disease	21	0	0 - 36	30	3	1 - 24
Gynecologic Disease	0	-	-	2	0	0 -100
Low-Risk Heart Disease	25	12	0 - 79	35	3	0 - 26
Musculoskeletal/Skin Conditions	33	0	0 - 35	31	0	0 - 20
Neuropsychiatric/Sensory Disease	3	0	0 -100	6	0	0 - 98
Urologic Disease	23	0	0 - 30	21	10	0 - 96

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	33
Occupancy Rate (%):	(not available)
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

BARRON MEMORIAL MEDICAL CENTER

1222 WOODLAND AVE
BARRON, WI 54812

Medicare Hospital Provider Number: 520124

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	462	11	11 - 18	474	10	10 - 17
Cancer	7	29	12 - 73	11	36	18 - 71
Cerebrovascular Accidents	20	25	18 - 56	17	35	11 - 55
Gastrointestinal Catastrophes	1	0	0 -100	1	100	0 - 99
Infectious Disease	13	8	22 - 60	6	0	21 - 71
Metabolic/Electrolyte Disorders	2	50	1 - 93	16	25	12 - 56
Pulmonary Disease	48	21	17 - 43	40	15	15 - 40
Renal Failure	2	0	10 - 99	0	-	-
Severe Acute Heart Disease	18	44	21 - 65	21	24	24 - 61
Severe Chronic Heart Disease	28	21	16 - 47	31	13	11 - 38
Severe Trauma	2	0	2 - 89	1	0	0 - 98
Gastrointestinal Disease	50	6	0 - 32	42	0	2 - 12
Gynecologic Disease	4	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	42	2	1 - 19	35	0	0 - 18
Musculoskeletal/Skin Conditions	51	2	0 - 17	59	7	1 - 21
Neuropsychiatric/Sensory Disease	10	10	0 - 99	19	11	0 - 67
Urologic Disease	18	0	0 - 46	14	0	0 - 93

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	98
Occupancy Rate (%):	70
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	65
Percent of Physicians Who Are Board Certified Specialists:	60
Interns and Residents:	0
Registered Nurses:	22
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BAY AREA MEDICAL CENTER MARINETTE

3100 SHORE DRIVE
MARINETTE, WI 54143

Medicare Hospital Provider Number: 520113

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	835	10	8 - 14	792	15	10 - 16
Cancer	13	54	15 - 66	15	60	21 - 69
Cerebrovascular Accidents	34	41	13 - 46	37	32	14 - 45
Gastrointestinal Catastrophes	7	29	7 - 71	3	67	11 - 92
Infectious Disease	13	31	14 - 64	13	31	12 - 62
Metabolic/Electrolyte Disorders	15	13	8 - 50	21	5	7 - 37
Pulmonary Disease	29	21	13 - 45	55	35	14 - 41
Renal Failure	11	18	13 - 71	6	50	13 - 84
Severe Acute Heart Disease	29	34	21 - 56	40	47	26 - 58
Severe Chronic Heart Disease	27	26	16 - 49	42	19	14 - 39
Severe Trauma	0	-	-	3	100	9 - 82
Gastrointestinal Disease	90	0	1 - 7	52	2	0 - 18
Gynecologic Disease	7	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	67	4	1 - 16	87	2	1 - 10
Musculoskeletal/Skin Conditions	96	1	0 - 9	90	4	0 - 18
Neuropsychiatric/Sensory Disease	13	0	0 - 99	22	0	1 - 24
Urologic Disease	56	0	0 - 14	19	5	0 - 59

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	99
Occupancy Rate (%):	38
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	52
Percent of Physicians Who Are Board Certified Specialists:	46
Interns and Residents:	0
Registered Nurses:	56
Licensed Practical Nurses:	24

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BAYFIELD COUNTY MEMORIAL HOSPITAL IN

320 SUPERIOR AVENUE
WASHBURN, WI 54891

Medicare Hospital Provider Number: 520126

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	93	9	11 - 24	115	10	8 - 20
Cancer	2	100	12 - 97	3	0	13 - 85
Cerebrovascular Accidents	7	14	12 - 68	4	50	9 - 85
Gastrointestinal Catastrophes	0	-	-	1	0	0 - 98
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	6	0	16 - 67	3	33	2 - 86
Pulmonary Disease	6	33	4 - 73	13	31	3 - 57
Renal Failure	0	-	-	1	0	2 - 98
Severe Acute Heart Disease	7	14	13 - 69	5	40	11 - 81
Severe Chronic Heart Disease	7	14	8 - 64	9	11	10 - 58
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	8	0	0 - 66	5	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	15	7	0 - 75	14	0	0 - 70
Musculoskeletal/Skin Conditions	9	0	0 -100	14	0	0 - 51
Neuropsychiatric/Sensory Disease	2	0	0 -100	7	0	0 -100
Urologic Disease	0	-	-	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	121
Occupancy Rate (%):	79
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	6
Percent of Physicians Who Are Board Certified Specialists:	67
Interns and Residents:	0
Registered Nurses:	7
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BEAVER DAM COMMUNITY HOSPS INC

707 S UNIVERSITY AVE
BEAVER DAM, WI 53916

Medicare Hospital Provider Number: 520076

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	975	12	10 - 15	994	12	9 - 14
Cancer	25	64	27 - 66	22	64	24 - 64
Cerebrovascular Accidents	39	33	16 - 46	32	22	17 - 47
Gastrointestinal Catastrophes	7	43	8 - 73	7	57	9 - 74
Infectious Disease	14	14	17 - 58	8	13	13 - 65
Metabolic/Electrolyte Disorders	14	29	10 - 59	14	21	10 - 56
Pulmonary Disease	60	17	18 - 40	59	25	14 - 39
Renal Failure	4	50	11 - 89	2	0	6 - 91
Severe Acute Heart Disease	41	29	25 - 54	44	34	25 - 54
Severe Chronic Heart Disease	64	27	12 - 34	66	24	15 - 37
Severe Trauma	3	33	5 - 86	1	0	0 - 99
Gastrointestinal Disease	70	6	0 - 19	85	5	0 - 15
Gynecologic Disease	14	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	102	2	1 - 9	84	0	1 - 7
Musculoskeletal/Skin Conditions	83	2	0 - 14	106	3	1 - 10
Neuropsychiatric/Sensory Disease	24	0	0 - 40	24	13	0 - 89
Urologic Disease	74	0	0 - 11	60	5	0 - 52

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 213
Occupancy Rate (%): 77
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 41
Percent of Physicians Who Are Board Certified Specialists: 0
Interns and Residents: 0
Registered Nurses: 79
Licensed Practical Nurses: 22

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

BELLIN MEMORIAL HOSPITAL

744 SOUTH WEBSTER AVENUE
GREEN BAY, WI 54301

Medicare Hospital Provider Number: 520049

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,721	7	8 - 12	1,793	10	8 - 12
Cancer	40	25	24 - 54	50	32	23 - 52
Cerebrovascular Accidents	65	25	16 - 39	70	30	17 - 40
Gastrointestinal Catastrophes	15	40	13 - 62	12	42	17 - 70
Infectious Disease	7	14	8 - 66	7	29	11 - 73
Metabolic/Electrolyte Disorders	7	43	5 - 72	10	10	3 - 54
Pulmonary Disease	38	18	11 - 39	48	23	12 - 38
Renal Failure	7	14	16 - 79	12	42	15 - 76
Severe Acute Heart Disease	93	24	26 - 46	94	28	28 - 48
Severe Chronic Heart Disease	86	13	15 - 31	80	14	13 - 31
Severe Trauma	3	33	4 - 86	1	100	2 - 97
Gastrointestinal Disease	102	1	1 - 8	105	2	1 - 9
Gynecologic Disease	13	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	356	5	2 - 7	363	5	2 - 7
Musculoskeletal/Skin Conditions	273	1	0 - 5	240	1	1 - 5
Neuropsychiatric/Sensory Disease	106	1	0 - 11	86	2	0 - 18
Urologic Disease	57	2	0 - 22	74	1	0 - 20

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 242
Occupancy Rate (%): 67
Ownership/Control: Church

STAFFING

Total Number of Physicians: 268
Percent of Physicians Who Are Board Certified Specialists: 63
Interns and Residents: 0
Registered Nurses: 255
Licensed Practical Nurses: 53

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

BELOIT MEMORIAL HOSPITAL INC

1969 WEST HART ROAD
BELOIT, WI 53511

Medicare Hospital Provider Number: 520100

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,658	10	11 - 15	1,532	13	10 - 15
Cancer	49	43	27 - 57	41	59	28 - 61
Cerebrovascular Accidents	58	22	17 - 40	44	27	15 - 43
Gastrointestinal Catastrophes	14	43	18 - 68	10	50	9 - 67
Infectious Disease	20	25	18 - 58	31	42	20 - 57
Metabolic/Electrolyte Disorders	17	35	9 - 56	19	21	8 - 49
Pulmonary Disease	109	21	17 - 36	84	24	16 - 37
Renal Failure	6	50	17 - 89	2	50	3 - 93
Severe Acute Heart Disease	83	35	30 - 52	64	61	28 - 54
Severe Chronic Heart Disease	88	17	18 - 35	87	21	14 - 33
Severe Trauma	0	-	-	3	33	5 - 87
Gastrointestinal Disease	148	3	1 - 8	140	2	1 - 8
Gynecologic Disease	15	0	0 -100	12	0	0 -100
Low-Risk Heart Disease	200	1	2 - 6	184	4	2 - 9
Musculoskeletal/Skin Conditions	141	1	1 - 7	163	2	1 - 8
Neuropsychiatric/Sensory Disease	30	7	0 - 58	35	6	0 - 90
Urologic Disease	58	0	1 - 10	47	0	0 - 14

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	174
Occupancy Rate (%):	61
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	59
Percent of Physicians Who Are Board Certified Specialists:	64
Interns and Residents:	0
Registered Nurses:	127
Licensed Practical Nurses:	26

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BELOIT MEMORIAL HOSPITAL
Affiliated with the University of Wisconsin Hospital and Clinics.

October 14, 1988

Medicare Provider No.: 52-0100

William Roper, M.D.
Administrator
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2-Meadows East Building
6325 Security Blvd.
Baltimore, Maryland 21207

Dear Dr. Roper,

The information indicated in the 1987 Mortality Report for Beloit Memorial Hospital under the heading of Hospital Characteristics reflects several errors. Under the category of Number of Physicians your report indicates 56 when in fact there were 59 physicians on our medical staff. The number of registered nurses per bed in 1987 were 1.13 compared with the incorrect figure of .93 used in your report. Also, Beloit Memorial Hospital has had for many years a state-of-the-art coronary care unit to care for our cardiac patients. Your report incorrectly indicates that Beloit Memorial Hospital does not have such a unit. A more thorough analysis of the information provided on page 2 of the American Hospital Association Annual Survey will reveal that Beloit Memorial Hospital has a "mixed intensive care unit" which includes a coronary care unit as well as a medical/surgical intensive care unit.

Beloit Memorial Hospital is also providing the Health Care Financing Administration with a reiteration of the previously submitted supplemental information relative to the HCFA 1986 Mortality Report. The mortality report inaccuractly indicated a higher than predicted mortality rate for patients at Beloit Memorial Hospital with the diagnosis of severe acute heart disease. This supplemental information will continue to enable your agency to more accurately present mortality data for Beloit Memorial Hospital patients with severe acute heart disease.

1969 West Hart Road, Beloit, Wisconsin 53511 (608) 364-5011

Your report claimed that sixty-three Medicare patients with a diagnosis of severe acute heart disease were treated at Beloit Memorial Hospital. Your report further claims that thirty-five of these patients died at Beloit Memorial Hospital resulting in a mortality rate of 61% which is beyond your range of the predicted mortality rate of 28% to 54% for patients with this diagnosis. In spite of the new methodology used your mortality report continues to fail in taking into account special considerations and circumstances which are completely beyond the control of any hospital provider. A thorough review by our medical staff leadership of the medical records of the patients included in your mortality report revealed the following facts which are not reflected in your report.

- Fourteen patients died within twenty-four hours of admission. Most of them died within a few hours of their arrival to hospital due to their medical condition upon arrival which precluded their survival. These patients had not received cardiopulmonary resuscitation until a paramedic person arrived and were then transported to Beloit Memorial Hospital while being resuscitated. A recent study indicates that the mortality rate for these patients exceeds 85% and increases substantially with these receiving medical attention.

- One patient suffered a ruptured abdominal aortic aneurysm. This patient had refused treatment after being diagnosed at another local hospital earlier on the day of admission to Beloit Memorial Hospital. The patient, who had no history of heart disease was brought to our hospital by a family member later in the evening where she died as a direct result of her ruptured aneurysm.

- One patient refused to be transferred to an interventional cardiology center for further treatment, and instead chose to remain at Beloit Memorial Hospital against medical advice.

- Thirteen patients or their families requested that no "heroic life support" measures be undertaken, considering their cardiac events to be the natural end of their lives.

- Another patient had been discharged from the University of Wisconsin Hospital and Clinics for coronary bypass surgery ten days prior to admission to Beloit Memorial Hospital. She was admitted to Beloit Memorial Hospital with complaint of nausea and significant changes in her EKG. She suffered an acute myocardial infarction. secondary to bypass graft occulsion.

- All of the patients included in the mortality statistics were severely ill and had several high risk factors which are clinically considered to confer poor prognosis and included:
    - histories of progressive heart disease
    - hypertension
    - diabetes mellitus
    - severe chronic pulmonary disease
    - chronic renal failure

- The average age of the Beloit Memorial Hospital patients included in your 1986 Mortality Statistics with a diagnosis of severe acute heart disease was 75.8 years. The life expectancy of the average American was 73 years in 1986.

Based on our data, 61 patients were actually admitted to Beloit Memorial Hospital with a diagnosis of severe acute heart disease. Not 64 as indicated in your report. Thirty-three of these patients died, not thirty-five as a result of conditions and circumstances which were beyond the control of any hospital or physician for an actual mortality rate of 54% which falls within your predicted mortality range.

The above considerations and circumstances indicate that Beloit Memorial Hospital patients included in your 1986 Mortality Report were severely ill at the time of their admission to Beloit Memorial Hospital and had poor prognostic factors associated with their health. These uncontrollable factors are not incorporated into the mortality methodologies developed by HCFA. It would be completely inaccurate to use the 1986 Mortality Report as an assessment of the quality of care and treatment received by patients at Beloit Memorial Hospital. In spite of the modifications made by HCFA in developing mortality methodologies your report still fails to take into consideration many relevant factors which could lead individuals reading the report to draw incorrect and inaccurate conclusions.

Sincerely,

Michael E. Rindler
President

MER:ph

BERLIN MEMORIAL HOSPITAL

225 MEMORIAL DRIVE
BERLIN, WI 54923

Medicare Hospital Provider Number: 520060

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	687	13	9 - 15	759	11	8 - 14
Cancer	11	45	15 - 69	14	50	20 - 69
Cerebrovascular Accidents	23	17	10 - 43	34	26	14 - 45
Gastrointestinal Catastrophes	4	50	2 - 83	2	0	1 - 90
Infectious Disease	4	0	4 - 71	12	33	14 - 66
Metabolic/Electrolyte Disorders	21	43	6 - 52	23	43	8 - 51
Pulmonary Disease	37	19	17 - 44	31	23	15 - 47
Renal Failure	3	33	2 - 88	2	50	1 - 94
Severe Acute Heart Disease	22	32	20 - 58	23	35	18 - 57
Severe Chronic Heart Disease	50	24	12 - 37	37	22	13 - 41
Severe Trauma	2	0	1 - 89	0	-	-
Gastrointestinal Disease	61	3	0 - 17	62	2	0 - 15
Gynecologic Disease	9	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	74	5	1 - 17	89	2	1 - 10
Musculoskeletal/Skin Conditions	68	0	0 - 9	98	0	1 - 6
Neuropsychiatric/Sensory Disease	19	11	0 - 93	14	0	0 - 73
Urologic Disease	24	0	0 - 90	37	3	0 - 59

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	163
Occupancy Rate (%):	79
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	33
Percent of Physicians Who Are Board Certified Specialists:	73
Interns and Residents:	0
Registered Nurses:	44
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BLACK RIVER FALLS MEM HOSP

711 WEST ADAMS STREET
BLACK RIVER FALLS, WI 54615

Medicare Hospital Provider Number: 520151

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	418	14	10 - 18	379	13	10 - 17
Cancer	10	60	24 - 80	10	70	24 - 78
Cerebrovascular Accidents	13	46	9 - 60	13	31	9 - 58
Gastrointestinal Catastrophes	5	40	7 - 79	2	0	1 - 89
Infectious Disease	12	17	14 - 60	13	15	12 - 56
Metabolic/Electrolyte Disorders	10	10	4 - 54	6	17	2 - 70
Pulmonary Disease	36	44	14 - 47	32	34	13 - 47
Renal Failure	1	100	2 - 97	1	100	1 - 97
Severe Acute Heart Disease	17	47	23 - 68	19	32	18 - 60
Severe Chronic Heart Disease	22	18	14 - 48	19	21	10 - 48
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	29	0	0 - 21	45	4	1 - 22
Gynecologic Disease	6	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	39	8	0 - 33	28	4	0 - 37
Musculoskeletal/Skin Conditions	38	0	0 - 19	25	0	0 - 41
Neuropsychiatric/Sensory Disease	18	0	0 - 72	16	13	0 - 96
Urologic Disease	23	0	0 - 86	18	6	0 - 96

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	51
Occupancy Rate (%):	31
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	9
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	19
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

BLOOMER COMMUNITY MEMORIAL HOSPITAL

1501 THOMPSON STREET
BLOOMER, WI 54724

Medicare Hospital Provider Number: 520153

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	201	14	9 - 19	219	11	8 - 18
Cancer	9	44	20 - 78	3	33	6 - 87
Cerebrovascular Accidents	10	50	7 - 64	9	11	7 - 56
Gastrointestinal Catastrophes	1	100	2 - 97	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	3	33	0 - 95	10	20	3 - 60
Pulmonary Disease	9	11	7 - 56	14	29	10 - 57
Renal Failure	0	-	-	1	100	2 - 97
Severe Acute Heart Disease	10	20	16 - 66	11	55	21 - 75
Severe Chronic Heart Disease	13	23	8 - 55	13	23	4 - 53
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	23	0	0 - 27	26	8	0 - 57
Gynecologic Disease	1	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	29	3	0 - 32	30	3	0 - 46
Musculoskeletal/Skin Conditions	19	5	0 - 50	17	0	0 - 60
Neuropsychiatric/Sensory Disease	5	0	0 -100	8	13	0 - 95
Urologic Disease	6	0	0 -100	8	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	112
Occupancy Rate (%):	62
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BUFFALO MEMORIAL HOSPITAL INC

200 MEMORIAL DRIVE
MONDOVI, WI 54755

Medicare Hospital Provider Number: 520143

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	55	18	9 - 30	109	22	12 - 28
Cancer	0	-	-	1	100	3 - 98
Cerebrovascular Accidents	5	60	6 - 78	0	-	-
Gastrointestinal Catastrophes	1	0	0 - 99	0	-	-
Infectious Disease	3	33	3 - 86	5	60	10 - 81
Metabolic/Electrolyte Disorders	1	0	0 - 99	4	25	1 - 85
Pulmonary Disease	3	33	1 - 87	19	26	11 - 52
Renal Failure	0	-	-	1	100	3 - 98
Severe Acute Heart Disease	6	67	22 - 88	14	50	21 - 69
Severe Chronic Heart Disease	2	0	2 - 88	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	2	0	0 -100	4	0	0 -100
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	10	0	0 - 73	19	5	1 - 38
Musculoskeletal/Skin Conditions	2	0	0 -100	1	0	0 -100
Neuropsychiatric/Sensory Disease	2	0	0 -100	5	0	0 -100
Urologic Disease	2	0	0 -100	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	29
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	8
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BURNETT GENERAL HOSPITAL INC

257 W ST GEORGE AVE
GRANTSBURG, WI 54840

Medicare Hospital Provider Number: 520130

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	187	12	9 - 19	197	17	8 - 20
Cancer	7	57	15 - 78	6	67	14 - 79
Cerebrovascular Accidents	12	17	10 - 55	3	33	5 - 86
Gastrointestinal Catastrophes	0	-	-	1	100	2 - 97
Infectious Disease	2	0	4 - 89	0	-	-
Metabolic/Electrolyte Disorders	4	25	1 - 83	3	67	7 - 88
Pulmonary Disease	20	25	11 - 50	13	38	9 - 60
Renal Failure	3	33	12 - 95	1	100	2 - 98
Severe Acute Heart Disease	7	14	15 - 71	8	38	13 - 72
Severe Chronic Heart Disease	2	0	0 - 96	13	15	6 - 50
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	18	6	0 - 52	15	0	0 - 93
Gynecologic Disease	3	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	26	0	0 - 25	28	4	0 - 46
Musculoskeletal/Skin Conditions	17	6	0 - 61	19	0	0 - 41
Neuropsychiatric/Sensory Disease	13	15	0 - 99	12	0	0 - 65
Urologic Disease	9	0	0 -100	7	14	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	84
Occupancy Rate (%):	74
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	3
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	14
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Burnett
General
Hospital

St. George and Parkview Drive
P.O. Box 99
Grantsburg, WI 54840
(715) 463-5353

October 19, 1988

Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, MD 21207

RE: Correction of HCFA Mortality Data for Burnett General Hospital ID:520130

Dear Ms. Kappert:

Enclosed you will find corrections and comments on our 1987 Mortality Data. Please note that there were two incorrect medical record numbers and one principal diagnosis that did not match our records. The page listing these corrections is titled Correction to 1987 Discharge Data.

The enclosure titled Table 1, is an explanation of the number of deaths attributed to our hospital as compared to other sites. You will note that of the 40 deaths only 25 of them died at Burnett General and the remaining 15 passed away either at home or in a nursing home.

The enclosure entitled Table 2 shows that of the 40 deaths attributed to our facility for calendar year 1987, 22 of them died during an admission, 5 of them died within 30 days of discharge and the remaining 13 died more than 30 days after they had been discharged.

If you need more information or have questions about the data we presented do not hesitate to contact me.

Sincerely,

Stanley J. Gaynor

Stanley J. Gaynor
Administrator

SJG:dh

Enclosures

CALUMET MEDICAL CENTER

614 MEMORIAL DRIVE
CHILTON, WI 53014

Medicare Hospital Provider Number: 520115

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	433	15	10 - 18	392	14	10 - 18
Cancer	11	64	13 - 67	11	55	18 - 72
Cerebrovascular Accidents	22	18	14 - 48	27	30	14 - 49
Gastrointestinal Catastrophes	7	43	17 - 81	3	67	10 - 91
Infectious Disease	3	67	2 - 86	2	50	7 - 95
Metabolic/Electrolyte Disorders	12	17	3 - 55	12	0	12 - 45
Pulmonary Disease	28	18	11 - 42	19	37	16 - 58
Renal Failure	2	0	2 - 89	1	0	3 - 98
Severe Acute Heart Disease	23	43	20 - 60	19	42	24 - 67
Severe Chronic Heart Disease	22	55	13 - 53	12	33	5 - 58
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	46	2	0 - 19	37	8	0 - 43
Gynecologic Disease	9	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	38	3	0 - 25	24	4	0 - 40
Musculoskeletal/Skin Conditions	37	0	0 - 33	34	0	0 - 23
Neuropsychiatric/Sensory Disease	7	0	0 - 99	7	0	0 -100
Urologic Disease	16	0	0 - 42	27	4	0 - 85

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	53
Occupancy Rate (%):	36
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	16
Percent of Physicians Who Are Board Certified Specialists:	38
Interns and Residents:	0
Registered Nurses:	24
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Calumet
Medical Center
Your health is our first concern.

614 Memorial Drive
Chilton, WI 53014
414-849-2386

Medicare Provider Number: 520115

October 20, 1988

RESPONSE TO HCFA MORTALITY RELEASE

The recently released Health Care Financing Administration (HCFA) mortality data indicates Calumet Medical Center has a relatively stable relationship between actual and predited mortality rates from 1986 to 1987 and is again well within the predicted normal range for all categories in 1987, excepting one High Risk diagnostic group.

It must be noted: Calumet Medical Center does not support indiscriminate distribution of the HCFA data to the public, because interpretation of the data is difficult and best left to a technical audience, not the general public. At the very least, the general public should be educated not to use the data as a basis for judging quality care. The following provides valuable background information.

A complicated statistical method is used by HCFA for estimating the probability of mortality over a 30-day period from admission. Only the last discharge from any hospital during 1987 is used in calculating the number of cases. Patients are divided into 16 diagnostic categories, 10 High Risk and 6 Low Risk, based on their primary reason for hospitalization. Several patient characteristics or risk factors are considered when applying this statistical method to all patients within any of the diagnostic categories, including age, sex, previous hospital admission(s), transfer status and up to four coexisting conditions. Most of these are chronic conditions.

Of significant interest in analyzing the HCFA data is the fact that 25% of the deaths in the Severe Chronic Heart Disease category occurred within one day of admission to the medical center and the average age of these individuals was 91. The average age of all deaths within this category was 86.5, significantly above the current average life expectancy of 73 years for males and 76.7 years for females. Thus it is obvious consideration must be given to both an individual's condition on admission as well as his/her age. The HCFA statistical model does not include measures of severity, (i.e., how ill the patient was at the time of admission, whether the patient was transferrred to the hospital from a nursing home, whether the patient was receiving treatment at home prior to admission, whether the patient had a terminal illness, the patient's psychological state or general health status). This is a flaw in the HCFA study.

Fifty percent of the reported deaths in the Severe Chronic Heart Disease category were patients admitted to Calumet Medical Center from area nursing homes. Fifty percent of patients in this category were admitted to Calumet Medical Center from their home, indicating a choice of this facility for care. Of greatest significance is the fact that all these patients have documentation of Do Not Resuscitate status, justifying less aggressive intervention.

Other flaws in the HCFA Report concern the hospital characteristics taken from a 1986 American Hospital Association (AHA) Survey. Specifically an error exists in the percentage reporting of Calumet Medical Center Board Certified Physicians. Fifty percent of staff physicians are Board Certified - not 13 percent as reported. Further, it is reported Calumet Medical Center does not have a Coronary Care Unit, when in fact it does have a 4-bed mixed Intensive Care/Coronary Care Unit and was reported as such in the AHA Survey.

Quality Assurance has been and continues to be an ongoing important function at Calumet Medical Center. The medical center's Quality Assurance Committee is a multidisciplinary approach, designed to monitor and review all patient care and treatment, including the routine review and analysis of mortalities. Each medical center department has a Quality Assurance Plan and submits monthly reports to the Quality Assurance Committee composed of representatives from the medical staff, nursing service, administration, board of directors and all major departments. Conclusions regarding deficiencies in care can never be made solely on outcome measures, because a poor outcome can result when there have been no deficiencies in complying with accepted standards of care. Because various factors contribute to illness and ultimately death, mortality data in themselves can not be used as measures of quality.

In conclusion, Calumet Medical Center appreciates the opportunity to respond to HCFA and the general public regarding these statistics and intends to continue to do so in the future.

CHIPPEWA VALLEY HOSP

1620 THIRD AVE WEST
DURAND, WI 54736

Medicare Hospital Provider Number: 520171

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	191	7	9 - 18	235	12	11 - 20
Cancer	3	67	8 - 89	3	0	17 - 89
Cerebrovascular Accidents	20	15	13 - 47	11	18	10 - 58
Gastrointestinal Catastrophes	2	50	2 - 92	2	50	1 - 93
Infectious Disease	2	0	3 - 88	4	0	8 - 72
Metabolic/Electrolyte Disorders	0	-	-	1	0	0 - 99
Pulmonary Disease	14	7	7 - 43	24	17	16 - 49
Renal Failure	3	67	11 - 93	1	0	3 - 98
Severe Acute Heart Disease	4	50	10 - 85	12	33	21 - 71
Severe Chronic Heart Disease	13	8	11 - 47	10	10	9 - 54
Severe Trauma	0	-	-	1	0	0 - 98
Gastrointestinal Disease	19	5	0 - 62	32	3	0 - 28
Gynecologic Disease	4	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	27	0	0 - 23	25	4	1 - 31
Musculoskeletal/Skin Conditions	15	0	0 - 92	22	9	1 - 41
Neuropsychiatric/Sensory Disease	5	0	0 -100	10	10	0 - 93
Urologic Disease	4	0	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	90
Occupancy Rate (%):	68
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	80
Interns and Residents:	0
Registered Nurses:	8
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CLINTONVILLE COMMUNITY HOSPITAL

35 N ANNE STREET
CLINTONVILLE, WI 54929

Medicare Hospital Provider Number: 520012

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	252	17	9 - 19	256	14	11 - 20
Cancer	3	33	5 - 87	6	50	9 - 77
Cerebrovascular Accidents	14	57	13 - 62	18	33	10 - 53
Gastrointestinal Catastrophes	2	100	5 - 89	2	50	1 - 92
Infectious Disease	3	67	10 - 91	1	0	0 - 99
Metabolic/Electrolyte Disorders	4	25	0 - 89	5	40	4 - 78
Pulmonary Disease	27	26	11 - 46	26	31	15 - 51
Renal Failure	6	83	15 - 81	2	0	10 - 99
Severe Acute Heart Disease	7	29	16 - 77	15	33	18 - 64
Severe Chronic Heart Disease	21	29	8 - 47	18	28	7 - 49
Severe Trauma	1	100	0 - 97	0	-	-
Gastrointestinal Disease	22	5	0 - 77	24	0	0 - 40
Gynecologic Disease	3	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	36	3	0 - 26	25	4	0 - 47
Musculoskeletal/Skin Conditions	22	5	0 - 86	21	0	0 - 50
Neuropsychiatric/Sensory Disease	2	0	0 -100	4	0	0 -100
Urologic Disease	9	0	0 -100	15	0	0 - 42

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	35
Occupancy Rate (%):	31
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	41
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	16
Licensed Practical Nurses:	9

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COLUMBIA HOSPITAL

2025 EAST NEWPORT AVENUE
MILWAUKEE, WI 53211

Medicare Hospital Provider Number: 520140

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,663	10	9 - 13	2,881	10	10 - 14
Cancer	104	38	27 - 50	145	42	32 - 53
Cerebrovascular Accidents	94	20	19 - 37	136	17	20 - 35
Gastrointestinal Catastrophes	21	24	17 - 57	20	25	20 - 60
Infectious Disease	36	28	20 - 53	39	23	22 - 53
Metabolic/Electrolyte Disorders	54	28	18 - 47	38	24	12 - 44
Pulmonary Disease	130	29	17 - 36	126	25	16 - 34
Renal Failure	9	67	16 - 80	4	50	7 - 86
Severe Acute Heart Disease	89	35	31 - 53	101	30	29 - 49
Severe Chronic Heart Disease	104	23	14 - 32	90	27	13 - 33
Severe Trauma	1	0	0 - 97	2	50	1 - 93
Gastrointestinal Disease	175	2	1 - 7	194	2	1 - 6
Gynecologic Disease	23	0	0 -100	22	0	0 -100
Low-Risk Heart Disease	197	4	1 - 8	224	4	1 - 7
Musculoskeletal/Skin Conditions	484	2	1 - 5	514	1	1 - 4
Neuropsychiatric/Sensory Disease	71	3	0 - 17	88	1	1 - 9
Urologic Disease	111	2	0 - 13	94	4	0 - 18

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	394
Occupancy Rate (%):	57
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	277
Percent of Physicians Who Are Board Certified Specialists:	82
Interns and Residents:	0
Registered Nurses:	250
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

Columbia
Hospital

2025 East Newport Avenue
Milwaukee, WI 53211
414-961-3300

October 20, 1988

Medicare Provider Number 52-0140

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

The information provided by the Health Care Financing Administration has been reviewed. The discharge and mortality statistics reported in the data appear correct.

It is our understanding that the statistics reported under the category "hospital characteristics" is incorrect and that the Health Care Financing Administration is disregarding hospital characteristics that were included in the data sent for our review.

It is our further understanding that the Health Care Financing Administration will be using other data for hospital characteristics. We have not had an opportunity to review this data and have concerns regarding its accuracy.

The hospital mortality information and the Health Care Financing Administration model does not conclusively reflect the quality of care provided by the individual hospitals. Mortality data is only one piece of information that should be considered in judging quality.

Sincerely,

John F. Schuler
President

slw

COLUMBUS COMMUNITY HOSPITAL

1515 PARK AVENUE
COLUMBUS, WI 53925

Medicare Hospital Provider Number: 520084

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	504	10	10 - 16	498	10	11 - 17
Cancer	1	100	2 -100	8	38	21 - 81
Cerebrovascular Accidents	19	21	11 - 49	14	21	17 - 60
Gastrointestinal Catastrophes	2	50	2 - 92	3	0	2 - 80
Infectious Disease	8	0	18 - 60	12	8	13 - 54
Metabolic/Electrolyte Disorders	7	43	9 - 74	5	20	2 - 76
Pulmonary Disease	43	19	18 - 44	45	20	19 - 45
Renal Failure	0	-	-	2	0	1 - 92
Severe Acute Heart Disease	23	26	20 - 57	23	35	24 - 62
Severe Chronic Heart Disease	35	17	13 - 40	33	15	11 - 38
Severe Trauma	1	0	0 - 99	0	-	-
Gastrointestinal Disease	49	0	1 - 11	40	2	0 - 27
Gynecologic Disease	8	0	0 -100	10	10	0 - 87
Low-Risk Heart Disease	42	5	0 - 36	50	2	1 - 15
Musculoskeletal/Skin Conditions	72	0	1 - 8	44	0	1 - 12
Neuropsychiatric/Sensory Disease	10	0	0 -100	12	0	0 - 68
Urologic Disease	15	7	0 -100	22	5	0 - 56

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	53
Occupancy Rate (%):	47
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	13
Percent of Physicians Who Are Board Certified Specialists:	85
Interns and Residents:	0
Registered Nurses:	35
Licensed Practical Nurses:	11

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

columbus community hospital

1515 Park Avenue • Columbus, Wisconsin 53925 • Phone (414) 623-2200

September 27, 1988

Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21307

Attention: Mrs. Sandra Kappert

This letter is intended to clarify two minor points on the Medicare Hospital Mortality Information that was sent to us regarding the Columbus Community Hospital in Columbus, Wisconsin. Since our Actual Mortality Rates are well within the Range for Predicted Mortality, I don't have any comments on that section.

However, under Hospital Characteristics you show us to have 40 beds in 1986 and an occupancy rate of 42 percent. I have attached a copy of a page from the 1986 edition of the AHA Guide to the Health Care Field where it correctly lists our hospital as having 53 beds and an occupancy of 40.7 percent.

Please note the correction.

Sincerely,

Miles Meyer

Miles F. Meyer, Administrator

Enc.

COMMUNITY MEMORIAL HOSP

W180 N8085 TOWN HALL RD
MENOMONEE FALLS, WI 53051

Medicare Hospital Provider Number: 520103

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,334	12	10 - 14	1,277	10	10 - 15
Cancer	50	66	30 - 59	58	40	24 - 52
Cerebrovascular Accidents	57	16	14 - 35	52	37	15 - 42
Gastrointestinal Catastrophes	12	50	14 - 68	10	10	17 - 63
Infectious Disease	21	29	18 - 59	12	25	19 - 68
Metabolic/Electrolyte Disorders	12	17	3 - 55	21	10	12 - 45
Pulmonary Disease	40	30	12 - 42	54	24	16 - 41
Renal Failure	3	0	12 - 87	4	50	14 - 93
Severe Acute Heart Disease	62	39	28 - 54	49	35	27 - 55
Severe Chronic Heart Disease	82	30	15 - 36	64	19	13 - 34
Severe Trauma	1	0	0 - 98	2	50	2 - 92
Gastrointestinal Disease	143	1	1 - 6	123	2	1 - 8
Gynecologic Disease	19	0	0 -100	19	0	0 -100
Low-Risk Heart Disease	111	5	1 - 11	130	2	2 - 7
Musculoskeletal/Skin Conditions	155	1	0 - 7	143	2	1 - 8
Neuropsychiatric/Sensory Disease	40	0	0 - 17	42	0	1 - 13
Urologic Disease	87	0	0 - 9	80	0	0 - 12

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	143
Occupancy Rate (%):	74
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	106
Percent of Physicians Who Are Board Certified Specialists:	67
Interns and Residents:	0
Registered Nurses:	166
Licensed Practical Nurses:	24

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

community memorial hospital

October 21, 1988 Medicare Provider Number 520103

William L. Roper, M.D.
Administrator
Healthcare Financing Administration
Washington, D.C. 20207

Dear Dr. Roper:

We appreciate the opportunity to review and make comments regarding our 1987 Medicare mortality data prior to its public release. We share HCFA's position that the use of the information by itself should not be used to make judgements about the quality of care in an individual hospital or to make comparisons among hospitals.

Community Memorial Hospital is an acute care hospital, located in suburban Milwaukee. It is currently set up and staffed for 156 beds. The hospital provides comprehensive diagnostic treatment and rehabilitation services in cardiology, dermatology, emergency medicine, gastroenterology, infectious diseases, neurology, oncology/hematology, physical medicine and rehabilitation, pulmonary medicine, rheumatology, psychiatry, obstetrics and gynecology, pediatrics, ophthalmology, orthopedics, otolaryngology, urology and surgery, including neurosurgery, general surgery, plastic and reconstructive surgery, orthopedic surgery and cardiovascular/thoracic surgery. The medical staff currently is comprised of 154 physicians.

HCFA has predicted the expected mortality rate for our hospital to be between 10-14%. As the 1987 mortality data indicates, our actual mortality rate was 12%.

We disagree with the methodology used for calculating mortality rates. HCFA counts only the patient's last hospitalization for the year. Since patients are not always readmitted with the same principal diagnosis, HCFA is ignoring the successful outcomes of previous hospitalizations. This methodology lowers the total case count in each diagnostic category and subsequently raises the mortality rates. Our records indicate that we had 2,130 Medicare admissions in 1986, whereas HCFA based its calculations on only 1,334 cases.

With the exception of cancer related deaths, which is a "high risk" category, our actual mortality rate for each diagnostic grouping is within HCFA's predicted mortality range. HCFA identified 33 cancer related deaths, although 9 (27%) patients expired after discharge. Twenty-five (76%) of the 33 patients were admitted for supportive care and 5 (15%) had "Do Not Resuscitate" orders. This indicates that death was the expected outcome at the time of admission. These patients required more care than could be provided by their families or nursing homes.

W180 N8085 Town Hall Road • P.O. Box 408 • Menomonee Falls, WI 53051 • 414-251-1000
"More Than A Hospital"

HCFA identified a total of 159 deaths in calculating our overall mortality rate. 27 (17%) of these patients expired after discharge. It is not possible to verify the cause of death for these patients, who were alive at the time of discharge, because we do not have access to that information. When these 27 cases are subtracted from the total, our overall mortality rate decreases to 10%. This is at the lower end of HCFA's predicted mortality range for hospitals with a case mix similar to ours.

Of the remaining 132 deaths, 7 occurred on the day of admission and 16 occurred the day after admission. This indicates that these patients were gravely ill at the time of admission.

Again, thank you for the opportunity to comment on this data.

Sincerely,

Robert E. Drisner
President

RED/PAP/ns

cc: Robert C. Taylor, Executive Director
Wisconsin Hospital Association

Marvin F. Neely, Jr., Executive Director
Hospital Council of Greater Milwaukee Area

COMMUNITY MEMORIAL HOSPITAL

819 ASH STREET
SPOONER, WI 54801

Medicare Hospital Provider Number: 520047

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	365	12	11 - 18	328	9	10 - 17
Cancer	13	54	23 - 74	5	40	8 - 79
Cerebrovascular Accidents	19	47	12 - 55	19	26	11 - 51
Gastrointestinal Catastrophes	2	50	3 - 92	3	33	2 - 86
Infectious Disease	10	0	12 - 48	6	17	11 - 72
Metabolic/Electrolyte Disorders	4	50	1 - 85	3	33	0 - 95
Pulmonary Disease	21	10	14 - 44	28	18	9 - 41
Renal Failure	3	100	15 - 90	6	67	19 - 90
Severe Acute Heart Disease	14	14	17 - 57	9	22	17 - 70
Severe Chronic Heart Disease	33	24	13 - 44	23	17	15 - 47
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	26	0	0 - 23	32	0	1 - 16
Gynecologic Disease	0	-	-	3	0	0 -100
Low-Risk Heart Disease	37	3	1 - 21	38	0	1 - 14
Musculoskeletal/Skin Conditions	33	0	1 - 16	23	4	0 - 47
Neuropsychiatric/Sensory Disease	25	4	0 - 37	15	0	0 - 97
Urologic Disease	14	7	0 -100	10	0	0 - 92

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	136
Occupancy Rate (%):	74
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	12
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	8
Licensed Practical Nurses:	1

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COMMUNITY MEMORIAL HOSPITAL

855 SOUTH MAIN STREET
OCONTO FALLS, WI 54154

Medicare Hospital Provider Number: 520101

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	357	16	11 - 19	404	9	10 - 17
Cancer	7	71	17 - 78	5	60	12 - 82
Cerebrovascular Accidents	16	56	9 - 56	15	27	14 - 58
Gastrointestinal Catastrophes	2	0	1 - 91	1	0	1 - 97
Infectious Disease	7	29	7 - 70	7	29	12 - 74
Metabolic/Electrolyte Disorders	5	0	2 - 67	14	7	3 - 45
Pulmonary Disease	45	36	15 - 44	47	21	14 - 40
Renal Failure	4	50	10 - 89	0	-	-
Severe Acute Heart Disease	21	38	22 - 62	16	13	21 - 58
Severe Chronic Heart Disease	23	30	8 - 46	23	17	12 - 45
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	40	0	1 - 15	41	0	1 - 14
Gynecologic Disease	3	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	37	3	1 - 20	40	0	2 - 13
Musculoskeletal/Skin Conditions	22	0	0 - 53	36	0	0 - 23
Neuropsychiatric/Sensory Disease	6	0	0 -100	8	0	0 -100
Urologic Disease	5	0	0 - 97	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 55
Occupancy Rate (%): 29
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 12
Percent of Physicians Who Are Board Certified Specialists: 33
Interns and Residents: 0
Registered Nurses: 18
Licensed Practical Nurses: 14

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

CUMBERLAND MEMORIAL HOSPITAL INC

1110 7TH AVE
CUMBERLAND, WI 54829

Medicare Hospital Provider Number: 520068

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	369	11	7 - 15	335	8	7 - 14
Cancer	10	80	21 - 71	8	75	21 - 78
Cerebrovascular Accidents	15	27	7 - 52	15	33	10 - 56
Gastrointestinal Catastrophes	3	33	2 - 86	1	0	0 - 99
Infectious Disease	1	100	0 - 98	3	33	2 - 86
Metabolic/Electrolyte Disorders	3	33	2 - 86	5	0	7 - 65
Pulmonary Disease	21	29	10 - 49	20	15	11 - 46
Renal Failure	1	100	2 - 97	0	-	-
Severe Acute Heart Disease	17	29	20 - 62	11	45	13 - 67
Severe Chronic Heart Disease	18	17	10 - 47	17	6	12 - 42
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	28	4	0 - 39	34	0	0 - 27
Gynecologic Disease	1	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	67	3	1 - 15	52	0	1 - 10
Musculoskeletal/Skin Conditions	24	4	0 - 74	27	0	0 - 25
Neuropsychiatric/Sensory Disease	69	0	0 - 12	42	0	0 - 44
Urologic Disease	7	0	0 -100	9	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	89
Occupancy Rate (%):	78
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	16
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	26
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

DIVINE SAVIOR HOSPITAL

1015 W PLEASANT ST
PORTAGE, WI 53901

Medicare Hospital Provider Number: 520041

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	627	12	10 - 16	631	15	11 - 18
Cancer	14	50	19 - 69	26	73	32 - 68
Cerebrovascular Accidents	28	25	15 - 48	32	41	17 - 51
Gastrointestinal Catastrophes	5	40	5 - 78	2	50	1 - 93
Infectious Disease	12	33	12 - 64	7	43	11 - 75
Metabolic/Electrolyte Disorders	10	10	7 - 55	11	27	7 - 61
Pulmonary Disease	53	17	14 - 37	58	21	16 - 40
Renal Failure	1	0	1 - 97	4	100	14 - 82
Severe Acute Heart Disease	19	53	25 - 68	18	44	19 - 63
Severe Chronic Heart Disease	46	22	12 - 37	42	12	13 - 35
Severe Trauma	3	33	3 - 86	1	0	1 - 97
Gastrointestinal Disease	48	2	1 - 16	50	4	0 - 28
Gynecologic Disease	10	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	49	2	0 - 18	67	1	1 - 11
Musculoskeletal/Skin Conditions	71	1	1 - 11	63	2	1 - 13
Neuropsychiatric/Sensory Disease	20	0	0 - 50	26	8	0 - 68
Urologic Disease	31	3	0 - 89	35	3	0 - 35

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	184
Occupancy Rate (%):	73
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	22
Percent of Physicians Who Are Board Certified Specialists:	45
Interns and Residents:	0
Registered Nurses:	30
Licensed Practical Nurses:	10

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

DODGE COUNTY UNIFIED SERVICES

199 HOME ROAD
JUNEAU, WI 53039

Medicare Hospital Provider Number: 520184

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	8	0	0 -100	0	-	-
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	0	-	-	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	0	-	-
Musculoskeletal/Skin Conditions	0	-	-	0	-	-
Neuropsychiatric/Sensory Disease	8	0	0 -100	0	-	-
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1986

Total Beds (#):	18
Ownership/Control:	Local Government

STAFFING

Interns and Residents:	0
Registered Nurses:	8
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

DOOR COUNTY MEMORIAL HOSPITAL

330 SOUTH 16TH PLACE
STURGEON BAY, WI 54235

Medicare Hospital Provider Number: 520152

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	603	10	10 - 16	629	9	10 - 15
Cancer	8	38	19 - 79	7	43	17 - 80
Cerebrovascular Accidents	31	29	10 - 43	19	42	16 - 58
Gastrointestinal Catastrophes	6	50	3 - 75	7	57	8 - 73
Infectious Disease	1	0	0 - 99	1	0	0 - 99
Metabolic/Electrolyte Disorders	6	0	11 - 62	6	17	2 - 71
Pulmonary Disease	38	13	18 - 42	32	19	13 - 43
Renal Failure	6	50	9 - 81	4	50	9 - 88
Severe Acute Heart Disease	32	34	27 - 60	27	56	26 - 63
Severe Chronic Heart Disease	50	16	13 - 35	65	8	18 - 33
Severe Trauma	2	50	2 - 92	1	0	0 - 99
Gastrointestinal Disease	61	0	1 - 9	57	0	1 - 10
Gynecologic Disease	7	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	63	2	1 - 12	89	1	1 - 8
Musculoskeletal/Skin Conditions	47	4	1 - 20	54	2	1 - 15
Neuropsychiatric/Sensory Disease	19	0	0 - 59	19	5	0 - 85
Urologic Disease	41	2	0 - 68	33	0	0 - 31

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	93
Occupancy Rate (%):	66
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	30
Percent of Physicians Who Are Board Certified Specialists:	63
Interns and Residents:	0
Registered Nurses:	36
Licensed Practical Nurses:	22

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

EAGLE RIVER MEMORIAL HOSPITAL

201 HOSPITAL RD, P O BOX 129
EAGLE RIVER, WI 54521

Medicare Hospital Provider Number: 520159

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	222	9	8 - 17	234	18	10 - 20
Cancer	3	67	4 - 86	6	100	22 - 72
Cerebrovascular Accidents	11	18	8 - 56	10	30	8 - 62
Gastrointestinal Catastrophes	2	0	2 - 89	1	100	2 -100
Infectious Disease	3	0	12 - 85	1	0	1 - 97
Metabolic/Electrolyte Disorders	3	0	5 - 79	5	0	8 - 65
Pulmonary Disease	15	13	10 - 49	18	50	13 - 58
Renal Failure	1	0	3 - 98	2	50	7 - 96
Severe Acute Heart Disease	6	50	21 - 88	12	8	20 - 59
Severe Chronic Heart Disease	13	15	7 - 50	13	23	6 - 53
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	25	8	0 - 43	17	0	0 - 81
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	36	3	0 - 30	29	0	0 - 22
Musculoskeletal/Skin Conditions	25	0	0 - 31	20	5	0 - 66
Neuropsychiatric/Sensory Disease	10	0	0 -100	8	0	0 - 99
Urologic Disease	5	0	0 -100	9	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	41
Occupancy Rate (%):	34
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	12
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	15
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ELMBROOK MEMORIAL HOSPITAL

19333 WEST NORTH AVENUE
BROOKFIELD, WI 53005

Medicare Hospital Provider Number: 520170

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	944	10	8 - 13	1,025	11	9 - 14
Cancer	32	41	20 - 56	35	34	28 - 61
Cerebrovascular Accidents	37	24	16 - 45	52	29	16 - 42
Gastrointestinal Catastrophes	7	0	7 - 55	12	50	10 - 64
Infectious Disease	12	33	11 - 63	8	50	12 - 74
Metabolic/Electrolyte Disorders	7	0	4 - 54	13	31	9 - 60
Pulmonary Disease	34	32	16 - 49	36	36	14 - 46
Renal Failure	1	0	2 -100	3	33	9 - 92
Severe Acute Heart Disease	22	36	20 - 60	31	32	25 - 58
Severe Chronic Heart Disease	56	16	14 - 35	46	26	13 - 39
Severe Trauma	1	0	1 - 97	0	-	-
Gastrointestinal Disease	98	2	1 - 10	82	0	1 - 7
Gynecologic Disease	9	0	0 -100	11	0	0 -100
Low-Risk Heart Disease	66	3	1 - 13	97	3	2 - 11
Musculoskeletal/Skin Conditions	132	2	1 - 9	122	4	0 - 13
Neuropsychiatric/Sensory Disease	43	0	0 - 16	35	0	0 - 20
Urologic Disease	55	4	0 - 88	60	0	0 - 13

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	136
Occupancy Rate (%):	64
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	116
Percent of Physicians Who Are Board Certified Specialists:	72
Interns and Residents:	0
Registered Nurses:	167
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Elmbrook
MEMORIAL HOSPITAL

October 14, 1988

Elmbrook Memorial Hospital ID # 520170

William L. Roper, M.D., Administrator
Health Care Financing Administration
Department of Health and Human Services
Washington, D.C. 20201

Dear Doctor Roper:

Elmbrook Memorial Hospital continues to support HCFA's efforts to provide meaningful quality of care data to the public.

Review of the 1987 Medicare Hospital Mortality Information reveals that Elmbrook's actual mortality rates fall within the range of predicted mortality percentages for each of the 17 categories. Verification of the HCFA data confirms the following:

1. HCFA identified 944 Medicare cases whose last discharge from Elmbrook occurred in 1987. Hospital records indicate that EMH had 1481 Medicare discharges during 1987. Although the number of 944 cases cannot be verified by the hospital, presumably the difference of 537, between the total Medicare discharges (1481) and the HCFA cases (944), is the number of multiple admissions by the 944 Medicare patients in 1987.

2. HCFA reported 95 Medicare deaths within 30 days of EMH admission. Review of hospital medical records indicates that 65 of these deaths occurred in the hospital, and 30 deaths occurred after discharge. Of these 30 deaths, 13 patients were discharged to a skilled nursing facility, 11 were discharged home with a visiting nurse or home health services, and 6 were discharged home. Only one death was incorrectly reported in the HCFA statistics, showing the patient to have expired the day after discharge when the patient actually expired in the hospital.

3. There were two errors in the Hospital Characteristics section of the data; it was reported that we have 69 beds and 60% of our physicians are board certified. The correct numbers are 166 beds and 75% for board certified physicians. We would appreciate these numbers being corrected and would like to know if these errors affect our predicted mortality percentages.

The Hospital concurs with HCFA's plan to stress to the public that the mortality data does not conclusively reflect the quality of care provided by a hospital. The data does not consider the patient's severity of illness. In addition, the current statistical model accounts for only 10 percent of the variation between the predicted and actual mortality rates. Therefore, the data serves as a springboard for the hospital to perform further analysis and uncover the reasons for any variances between the predicted and actual rates.

19333 West North Avenue Brookfield, WI 53005-4198 414-785-2000

A Member of the Wheaton Franciscan System

The Hospital is pleased that HCFA has refined and will continue to refine the analytic methodologies and data validation techniques associated with the mortality data. We also appreciate the opportunity to review and verify the data prior to public release. We hope these comments are helpful.

Sincerely,

Stephen R Young

Stephen R. Young
President

SRY/dd

FAMILY HOSPITAL

2711 WEST WELLS STREET
MILWAUKEE, WI 53208

Medicare Hospital Provider Number: 520001

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	800	13	10 - 15	839	17	11 - 18
Cancer	21	48	22 - 64	21	29	20 - 60
Cerebrovascular Accidents	23	22	13 - 47	35	23	15 - 44
Gastrointestinal Catastrophes	8	0	13 - 56	5	0	11 - 68
Infectious Disease	21	48	19 - 62	25	28	19 - 57
Metabolic/Electrolyte Disorders	25	16	8 - 43	30	17	10 - 42
Pulmonary Disease	65	28	18 - 42	78	31	18 - 41
Renal Failure	7	71	19 - 86	5	60	14 - 89
Severe Acute Heart Disease	22	32	23 - 61	30	63	29 - 64
Severe Chronic Heart Disease	35	17	8 - 35	55	38	12 - 39
Severe Trauma	2	0	1 - 91	1	0	0 -100
Gastrointestinal Disease	58	9	0 - 34	63	6	0 - 21
Gynecologic Disease	3	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	72	6	0 - 19	67	6	0 - 22
Musculoskeletal/Skin Conditions	65	3	0 - 24	64	6	0 - 32
Neuropsychiatric/Sensory Disease	23	0	0 - 51	24	4	0 - 87
Urologic Disease	33	0	0 - 30	29	7	0 - 90

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1984

Total Beds (#):	204
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	171
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

FIRST HOSPITAL-MILWAUKEE

3330 WEST WELLS STREET
MILWAUKEE, WI 53208

Medicare Hospital Provider Number: 520185

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	31	0	0 -100	0	-	-
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	0	-	-	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	0	-	-
Musculoskeletal/Skin Conditions	0	-	-	0	-	-
Neuropsychiatric/Sensory Disease	31	0	0 -100	0	-	-
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	64
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	8
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

FLAMBEAU MEDICAL CENTER

98 SHERRY AVE BOX 310
PARK FALLS, WI 54552

Medicare Hospital Provider Number: 520131

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	345	13	10 - 18	348	16	10 - 19
Cancer	4	25	15 - 88	14	57	18 - 67
Cerebrovascular Accidents	19	26	9 - 49	16	31	10 - 55
Gastrointestinal Catastrophes	2	50	2 - 92	5	40	7 - 79
Infectious Disease	13	46	10 - 62	3	33	11 - 92
Metabolic/Electrolyte Disorders	8	0	2 - 51	2	0	0 - 93
Pulmonary Disease	31	32	16 - 50	31	35	11 - 46
Renal Failure	3	0	12 - 87	6	50	10 - 82
Severe Acute Heart Disease	11	45	13 - 67	18	44	16 - 60
Severe Chronic Heart Disease	21	14	11 - 44	23	13	10 - 41
Severe Trauma	0	-	-	2	0	1 - 90
Gastrointestinal Disease	27	7	0 - 73	30	3	0 - 28
Gynecologic Disease	2	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	35	3	0 - 25	33	0	0 - 18
Musculoskeletal/Skin Conditions	28	4	0 - 73	21	14	0 - 93
Neuropsychiatric/Sensory Disease	9	0	0 -100	9	0	0 -100
Urologic Disease	7	0	0 -100	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	42
Occupancy Rate (%):	38
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	80
Interns and Residents:	0
Registered Nurses:	18
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

FORT ATKINSON MEMORIAL HOSPITAL

611 EAST SHERMAN AVENUE
FORT ATKINSON, WI 53538

Medicare Hospital Provider Number: 520071

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,142	12	9 - 14	1,085	11	9 - 14
Cancer	25	48	20 - 59	23	65	26 - 65
Cerebrovascular Accidents	37	35	15 - 46	49	39	15 - 43
Gastrointestinal Catastrophes	14	36	13 - 63	6	17	7 - 70
Infectious Disease	8	38	8 - 69	13	31	13 - 63
Metabolic/Electrolyte Disorders	25	32	10 - 50	32	34	12 - 48
Pulmonary Disease	62	18	14 - 36	41	29	14 - 43
Renal Failure	6	50	14 - 85	1	100	2 - 97
Severe Acute Heart Disease	43	26	25 - 53	36	31	27 - 58
Severe Chronic Heart Disease	90	20	14 - 32	66	15	14 - 33
Severe Trauma	2	0	2 - 89	0	-	-
Gastrointestinal Disease	119	3	1 - 10	102	1	1 - 8
Gynecologic Disease	17	0	0 -100	17	0	0 -100
Low-Risk Heart Disease	100	6	1 - 15	95	3	1 - 11
Musculoskeletal/Skin Conditions	123	4	0 - 16	150	2	1 - 8
Neuropsychiatric/Sensory Disease	52	0	0 - 17	52	4	0 - 55
Urologic Disease	36	0	0 - 64	33	0	0 - 32

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	95
Occupancy Rate (%):	49
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	45
Percent of Physicians Who Are Board Certified Specialists:	69
Interns and Residents:	0
Registered Nurses:	66
Licensed Practical Nurses:	25

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

FREDERIC MUNICIPAL HOSP ASSOC INC

HWY 35 AND UNITED WAY
FREDERIC, WI 54837

Medicare Hospital Provider Number: 520104

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	147	7	8 - 17	163	12	8 - 19
Cancer	1	100	0 - 99	0	-	-
Cerebrovascular Accidents	4	0	4 - 70	6	17	10 - 71
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	1	0	1 - 97
Metabolic/Electrolyte Disorders	9	33	11 - 69	6	0	5 - 59
Pulmonary Disease	8	13	14 - 66	15	7	9 - 43
Renal Failure	1	100	3 - 99	3	0	6 - 82
Severe Acute Heart Disease	4	25	6 - 80	7	57	11 - 74
Severe Chronic Heart Disease	4	0	2 - 72	16	25	10 - 53
Severe Trauma	0	-	-	1	0	0 -100
Gastrointestinal Disease	13	0	0 - 94	13	0	0 - 99
Gynecologic Disease	2	0	0 -100	0	-	-
Low-Risk Heart Disease	16	6	0 - 94	25	0	0 - 24
Musculoskeletal/Skin Conditions	14	0	0 - 74	13	8	0 - 99
Neuropsychiatric/Sensory Disease	6	17	0 - 96	3	0	0 -100
Urologic Disease	4	0	0 -100	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	25
Ownership/Control:	Local Government

STAFFING

Interns and Residents:	0
Registered Nurses:	8
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

FROEDTERT MEMORIAL LUTHERAN HOSPITAL

9200 W WISCONSIN AVE
MILWAUKEE, WI 53226

Medicare Hospital Provider Number: 520177

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	**Actual Mortality Rate (%)**	**Range For Predicted Mortality (%)**	**Cases**	**Actual Mortality Rate (%)**	**Range For Predicted Mortality (%)**
All Cases	1,339	8	7 - 12	1,220	10	9 - 14
Cancer	62	29	30 - 56	51	14	27 - 51
Cerebrovascular Accidents	42	33	10 - 40	55	36	15 - 42
Gastrointestinal Catastrophes	21	19	19 - 57	25	24	16 - 53
Infectious Disease	12	67	17 - 69	12	58	13 - 66
Metabolic/Electrolyte Disorders	10	20	6 - 60	17	12	4 - 45
Pulmonary Disease	39	21	12 - 39	48	29	14 - 42
Renal Failure	31	13	6 - 54	58	21	5 - 54
Severe Acute Heart Disease	9	44	12 - 70	11	45	17 - 70
Severe Chronic Heart Disease	20	20	9 - 46	15	7	10 - 43
Severe Trauma	7	57	3 - 72	11	55	6 - 64
Gastrointestinal Disease	64	3	0 - 16	44	2	2 - 16
Gynecologic Disease	2	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	47	2	1 - 16	44	5	1 - 21
Musculoskeletal/Skin Conditions	145	2	0 - 9	127	2	0 - 8
Neuropsychiatric/Sensory Disease	115	3	0 - 12	93	1	0 - 18
Urologic Disease	193	1	0 - 6	126	0	1 - 6

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1984

Total Beds (#):	285
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	300
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

HARTFORD MEMORIAL HOSPITAL INC

1032 EAST SUMNER STREET
HARTFORD, WI 53027

Medicare Hospital Provider Number: 520038

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	513	11	10 - 16	519	10	11 - 17
Cancer	11	64	18 - 71	19	32	28 - 69
Cerebrovascular Accidents	20	40	13 - 54	20	20	13 - 49
Gastrointestinal Catastrophes	5	40	13 - 84	1	100	3 - 98
Infectious Disease	7	29	12 - 74	10	30	12 - 66
Metabolic/Electrolyte Disorders	8	0	7 - 51	12	0	11 - 44
Pulmonary Disease	41	17	13 - 39	25	24	13 - 48
Renal Failure	1	0	1 - 97	3	33	9 - 91
Severe Acute Heart Disease	23	43	21 - 61	17	24	26 - 66
Severe Chronic Heart Disease	37	16	12 - 37	46	11	17 - 37
Severe Trauma	0	-	-	1	0	0 - 98
Gastrointestinal Disease	46	2	0 - 18	34	9	0 - 43
Gynecologic Disease	5	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	57	5	1 - 19	63	3	1 - 15
Musculoskeletal/Skin Conditions	59	3	2 - 15	56	4	1 - 18
Neuropsychiatric/Sensory Disease	12	8	0 -100	19	5	0 - 96
Urologic Disease	24	0	0 - 37	22	9	0 - 94

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	53
Occupancy Rate (%):	58
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	22
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	53
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HAYWARD AREA MEM HOSPITAL

ROUTE 3 BOX 3999
HAYWARD, WI 54843

Medicare Hospital Provider Number: 520161

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	213	15	9 - 20	272	10	9 - 17
Cancer	5	80	14 - 81	10	40	20 - 75
Cerebrovascular Accidents	9	22	9 - 63	8	13	7 - 60
Gastrointestinal Catastrophes	2	0	0 - 94	2	50	4 - 92
Infectious Disease	3	67	4 - 86	6	0	10 - 61
Metabolic/Electrolyte Disorders	2	0	0 - 98	4	0	14 - 77
Pulmonary Disease	24	21	15 - 49	20	10	13 - 45
Renal Failure	1	100	1 - 97	1	100	3 - 98
Severe Acute Heart Disease	7	57	9 - 73	14	36	16 - 64
Severe Chronic Heart Disease	25	16	11 - 42	7	29	5 - 68
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	15	0	0 - 60	25	0	0 - 34
Gynecologic Disease	0	-	-	3	0	0 -100
Low-Risk Heart Disease	19	0	0 - 44	33	6	0 - 46
Musculoskeletal/Skin Conditions	29	0	1 - 19	27	4	0 - 92
Neuropsychiatric/Sensory Disease	9	0	0 -100	25	0	0 - 59
Urologic Disease	4	0	0 -100	5	0	0 - 98

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	117
Occupancy Rate (%):	69
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	14
Percent of Physicians Who Are Board Certified Specialists:	79
Interns and Residents:	0
Registered Nurses:	12
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Hayward Area Memorial Hospital
Hayward Nursing Home
Route 3, Box 3999
Hayward, Wisconsin 54843
(715) 634-8911

October 5, 1988

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2 - D - 2
6325 Security Boulevard
Baltimore, Maryland, 21207

Dear Mrs. Kappert,

Thank you for offering us the opportunity to review the mortality information from our facilty. We have reviewed the data very carefully and feel that, for the most part, it is accurate. We would like to add two comments.

First, in regard to the diagnostic category of cancer, we are a very small rural facility. The cancer patients we treat are normally for end-stage hospice type care only. I believe that would explain the number of deaths in that category.

Second, for the diagnostic category of renal failure, you will note that we had only one patient in that category. I believe that does not constitute a statistically significant sample, and since that one patient died, our mortality rate looks unusually high.

Those are the only two comments I have. Thank you again for allowing us to check the accuracy of this data.

Sincerely,

Barbara Peickert

Barbara Peickert
Chief Executive Officer

BP/kh

HESS MEMORIAL HOSPITAL

1050 DIVISION ST
MAUSTON, WI 53948

Medicare Hospital Provider Number: 520109

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	452	9	10 - 16	433	8	10 - 16
Cancer	3	67	11 - 92	4	100	19 - 82
Cerebrovascular Accidents	29	17	14 - 43	19	11	13 - 45
Gastrointestinal Catastrophes	1	100	3 - 99	1	0	3 -100
Infectious Disease	15	40	14 - 62	14	29	15 - 63
Metabolic/Electrolyte Disorders	11	0	4 - 42	16	6	6 - 42
Pulmonary Disease	30	20	14 - 45	31	19	14 - 44
Renal Failure	1	100	3 - 98	3	100	18 - 95
Severe Acute Heart Disease	14	29	20 - 66	18	22	23 - 62
Severe Chronic Heart Disease	32	13	10 - 35	26	8	12 - 37
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	36	3	0 - 24	46	0	1 - 11
Gynecologic Disease	7	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	48	0	1 - 11	50	4	1 - 18
Musculoskeletal/Skin Conditions	40	2	0 - 25	37	0	0 - 18
Neuropsychiatric/Sensory Disease	13	8	0 -100	14	7	0 - 95
Urologic Disease	18	0	0 - 58	19	0	0 - 88

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	100
Occupancy Rate (%):	77
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	8
Percent of Physicians Who Are Board Certified Specialists:	88
Interns and Residents:	0
Registered Nurses:	26
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HOLY CROSS HOSPITAL

601 CENTER AVE SOUTH
MERRILL, WI 54452

Medicare Hospital Provider Number: 520015

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	487	14	10 - 17	505	10	9 - 15
Cancer	14	57	22 - 72	11	55	17 - 71
Cerebrovascular Accidents	23	30	13 - 50	21	24	14 - 51
Gastrointestinal Catastrophes	3	67	7 - 88	3	0	6 - 80
Infectious Disease	2	0	2 - 89	4	0	15 - 78
Metabolic/Electrolyte Disorders	9	22	2 - 64	11	9	1 - 55
Pulmonary Disease	34	35	14 - 47	17	29	13 - 56
Renal Failure	4	25	8 - 84	4	50	13 - 92
Severe Acute Heart Disease	19	26	21 - 61	24	38	25 - 63
Severe Chronic Heart Disease	25	24	13 - 47	25	8	15 - 40
Severe Trauma	3	0	2 - 81	1	100	0 - 98
Gastrointestinal Disease	42	2	1 - 19	49	0	1 - 12
Gynecologic Disease	11	0	0 -100	13	0	0 -100
Low-Risk Heart Disease	54	2	1 - 13	56	2	1 - 13
Musculoskeletal/Skin Conditions	44	2	1 - 18	54	2	0 - 20
Neuropsychiatric/Sensory Disease	3	0	0 -100	17	12	0 - 97
Urologic Disease	23	4	0 - 96	22	18	0 - 72

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 53
Occupancy Rate (%): 53
Ownership/Control: Church

STAFFING

Total Number of Physicians: 11
Percent of Physicians Who Are Board Certified Specialists: 91
Interns and Residents: 0
Registered Nurses: 49
Licensed Practical Nurses: 0

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

HOLY FAMILY HOSPITAL

535 HOSPITAL ROAD
NEW RICHMOND, WI 54017

Medicare Hospital Provider Number: 520026

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	246	12	8 - 17	261	13	7 - 16
Cancer	8	88	21 - 72	4	75	14 - 87
Cerebrovascular Accidents	11	27	8 - 59	13	23	10 - 56
Gastrointestinal Catastrophes	5	40	6 - 78	4	25	3 - 80
Infectious Disease	0	-	-	1	0	0 - 98
Metabolic/Electrolyte Disorders	4	25	1 - 85	3	33	2 - 86
Pulmonary Disease	12	25	9 - 58	20	20	6 - 45
Renal Failure	1	0	0 - 98	1	0	3 - 98
Severe Acute Heart Disease	7	14	14 - 70	6	33	11 - 76
Severe Chronic Heart Disease	12	25	10 - 58	7	14	6 - 64
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	28	0	0 - 45	30	0	0 - 24
Gynecologic Disease	1	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	30	0	0 - 20	28	4	0 - 30
Musculoskeletal/Skin Conditions	27	0	0 - 57	43	0	0 - 20
Neuropsychiatric/Sensory Disease	5	20	0 -100	4	0	0 -100
Urologic Disease	8	13	0 - 89	7	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	40
Occupancy Rate (%):	40
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	9
Percent of Physicians Who Are Board Certified Specialists:	89
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HOLY FAMILY HOSPITAL

2300 WESTERN AVENUE
MANITOWOC, WI 54220

Medicare Hospital Provider Number: 520107

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,138	13	10 - 16	1,163	12	10 - 15
Cancer	45	40	33 - 64	36	50	33 - 67
Cerebrovascular Accidents	36	31	16 - 46	49	29	14 - 41
Gastrointestinal Catastrophes	9	44	8 - 68	11	36	16 - 70
Infectious Disease	42	26	22 - 53	32	31	23 - 58
Metabolic/Electrolyte Disorders	12	8	12 - 53	19	11	7 - 43
Pulmonary Disease	50	36	18 - 46	63	21	15 - 38
Renal Failure	6	50	15 - 87	5	100	27 - 90
Severe Acute Heart Disease	45	49	27 - 57	40	45	22 - 54
Severe Chronic Heart Disease	41	24	13 - 40	50	28	16 - 41
Severe Trauma	1	100	2 - 97	0	-	-
Gastrointestinal Disease	81	6	0 - 18	104	6	1 - 13
Gynecologic Disease	5	0	0 -100	12	8	0 -100
Low-Risk Heart Disease	132	2	1 - 7	130	1	2 - 7
Musculoskeletal/Skin Conditions	114	1	1 - 7	119	3	1 - 11
Neuropsychiatric/Sensory Disease	112	2	0 - 10	84	0	0 - 8
Urologic Disease	37	0	0 - 33	41	0	0 - 24

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	162
Occupancy Rate (%):	54
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	75
Percent of Physicians Who Are Board Certified Specialists:	83
Interns and Residents:	0
Registered Nurses:	125
Licensed Practical Nurses:	18

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Holy Family
Medical Center

Committed to Excellence in Health Care

September 27, 1988

Medicare Provider # - 520107

Health Standards & Quality Bureau
Health Care Financing Administration
2 - D - 2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Attention: Mrs. Sandra Kappert

Dear Mrs. Kappert:

We have reviewed the Medicare hospital mortality information for Holy Family Medical Center and have found it to be substantially correct. However, there are some modifications that need to be made to the "Hospital Characteristics" section of the report. First, the number of beds should read 162 as opposed to 62. Second, we should be credited with having a Coronary Care Unit as a specialty service.

With these minor modifications we feel comfortable with the data that you will be publishing.

Sincerely,

Daniel B. McGinty

Daniel B. McGinty
Vice President-Professional Services

DBM:bjs

cc: LeRoy F. Pesce, President

HOWARD YOUNG MEDICAL CENTER

240 MAPLE ST
WOODRUFF, WI 54568

Medicare Hospital Provider Number: 520091

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,060	9	9 - 14	1,052	10	9 - 14
Cancer	28	43	23 - 60	29	59	29 - 66
Cerebrovascular Accidents	34	24	15 - 45	30	23	12 - 44
Gastrointestinal Catastrophes	12	42	17 - 70	12	50	18 - 71
Infectious Disease	11	27	15 - 66	12	33	16 - 67
Metabolic/Electrolyte Disorders	4	25	1 - 84	6	33	7 - 74
Pulmonary Disease	48	27	15 - 42	38	21	14 - 42
Renal Failure	2	50	4 - 93	3	0	5 - 82
Severe Acute Heart Disease	38	39	26 - 58	42	38	25 - 56
Severe Chronic Heart Disease	48	21	13 - 38	40	22	12 - 40
Severe Trauma	1	0	0 - 99	2	100	1 - 91
Gastrointestinal Disease	79	1	1 - 10	108	3	1 - 10
Gynecologic Disease	18	0	0 -100	20	0	0 -100
Low-Risk Heart Disease	116	2	1 - 8	112	4	1 - 10
Musculoskeletal/Skin Conditions	168	1	1 - 6	143	1	1 - 6
Neuropsychiatric/Sensory Disease	22	5	0 - 50	20	0	0 - 68
Urologic Disease	62	0	0 - 16	44	2	0 - 28

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	95
Occupancy Rate (%):	54
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	37
Percent of Physicians Who Are Board Certified Specialists:	70
Interns and Residents:	0
Registered Nurses:	72
Licensed Practical Nurses:	13

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	Yes

HUDSON MEDICAL CENTER

400 WISCONSIN STREET, BOX 361
HUDSON, WI 54016

Medicare Hospital Provider Number: 520156

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	231	15	10 - 20	279	19	10 - 20
Cancer	4	100	24 - 88	19	84	36 - 72
Cerebrovascular Accidents	13	31	10 - 58	10	70	9 - 64
Gastrointestinal Catastrophes	1	100	0 - 99	0	-	-
Infectious Disease	2	50	2 - 92	0	-	-
Metabolic/Electrolyte Disorders	4	75	15 - 89	7	57	9 - 74
Pulmonary Disease	17	12	12 - 47	17	29	9 - 53
Renal Failure	2	50	2 - 92	1	100	2 - 97
Severe Acute Heart Disease	9	56	17 - 75	6	0	16 - 65
Severe Chronic Heart Disease	16	25	9 - 52	18	33	9 - 52
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	15	0	0 - 43	32	3	0 - 41
Gynecologic Disease	1	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	21	5	0 - 55	24	4	0 - 36
Musculoskeletal/Skin Conditions	33	0	0 - 29	42	2	0 - 32
Neuropsychiatric/Sensory Disease	5	40	0 - 88	8	0	0 - 81
Urologic Disease	12	0	0 - 97	10	0	0 - 86

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	45
Occupancy Rate (%):	49
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	Yes

HUDSON MEMORIAL HOSPITAL

October 20, 1988

Medicare Provider # 52-0156
Hospital ID: 52016

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, MD 21207

Dear Mrs. Kappert:

We have reviewed the Medicare Hospital Mortality Information for Hudson Memorial Hospital and would like to make the following general comments:

- Hospital characteristics indicate that we do not have a coronary care unit. In reality we do have a four bed coronary-intensive care unit. We also have a hospice program with both an inpatient unit and an outpatient component.

- This hospital exceeded the range for predicted mortality in the diagnostic category of cancer. Because of our hospice program, it is safe to assume that we might always exceed that range. Criteria for admission to hospice include an acceptance by the patient and family that no resuscitation be carried out. Hospice care concentrates on control of pain and other symptoms and on support for the patient and family as approved to aggressive treatment of the disease. All four of the patients identified in this category had cancer with metastasis and had written no-code orders.

- The hospital also exceeded the predicted range in the diagnostic category of gastrointestinal catastrophies. However, only one patient was included in that category, thus giving a mortality rate of 100%. That patient was also in our hospice unit following an 18 month illness prior to admission.

P.O. Box 361, 400 Wisconsin St., Hudson, WI 54016 (715) 386-9321

We appreciate your efforts to change the way information to the public is organized and are glad for the opportunity to review and comment on the data.

Yours truly,

John W Marnell

John W. Marnell
Chief Executive Officer

JWM/dp

INDIANHEAD MEDICAL CENTER

215 4TH AVE WEST
SHELL LAKE, WI 54871

Medicare Hospital Provider Number: 520135

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	243	7	9 - 16	249	14	9 - 19
Cancer	3	0	7 - 80	7	43	24 - 88
Cerebrovascular Accidents	9	22	9 - 63	15	13	12 - 50
Gastrointestinal Catastrophes	4	0	10 - 74	1	100	2 -100
Infectious Disease	2	0	4 - 88	0	-	-
Metabolic/Electrolyte Disorders	3	0	0 - 92	7	29	1 - 74
Pulmonary Disease	10	10	8 - 54	15	33	11 - 58
Renal Failure	2	100	7 - 92	1	100	3 - 98
Severe Acute Heart Disease	15	33	19 - 65	14	57	20 - 69
Severe Chronic Heart Disease	18	6	13 - 41	13	0	11 - 39
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	31	0	1 - 18	23	4	0 - 57
Gynecologic Disease	0	-	-	4	0	0 - 93
Low-Risk Heart Disease	26	0	1 - 21	31	0	1 - 18
Musculoskeletal/Skin Conditions	29	3	0 - 70	23	0	0 - 77
Neuropsychiatric/Sensory Disease	10	10	0 - 66	12	0	0 - 98
Urologic Disease	3	0	0 -100	9	11	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 49
Occupancy Rate (%): 25
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 4
Percent of Physicians Who Are Board Certified Specialists: 75
Interns and Residents: 0
Registered Nurses: 11
Licensed Practical Nurses: 9

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

IOLA HOSPITAL

185 SOUTH WASHINGTON STREET
IOLA, WI 54945

Medicare Hospital Provider Number: 520105

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	80	11	9 - 24	75	13	7 - 23
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	8	0	16 - 56	3	33	2 - 87
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	5	0	3 - 65	6	0	2 - 60
Pulmonary Disease	11	27	9 - 60	6	33	9 - 75
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	1	100	2 - 97	3	33	9 - 90
Severe Chronic Heart Disease	3	67	4 - 86	6	17	3 - 69
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	8	0	0 -100	3	0	0 -100
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	9	0	0 - 95	8	13	0 - 99
Musculoskeletal/Skin Conditions	7	0	0 -100	9	11	0 -100
Neuropsychiatric/Sensory Disease	4	0	1 - 74	0	-	-
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	62
Occupancy Rate (%):	79
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	11
Percent of Physicians Who Are Board Certified Specialists:	36
Interns and Residents:	0
Registered Nurses:	5
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

KAUKAUNA COMMUNITY HOSPITAL

308 EAST 14TH STREET
KAUKAUNA, WI 54130

Medicare Hospital Provider Number: 520141

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	238	10	6 - 14	282	13	7 - 16
Cancer	3	67	14 - 96	8	63	15 - 75
Cerebrovascular Accidents	7	29	5 - 69	11	36	7 - 61
Gastrointestinal Catastrophes	1	100	2 - 97	5	40	11 - 82
Infectious Disease	1	0	0 - 98	2	100	4 - 88
Metabolic/Electrolyte Disorders	1	0	2 - 97	10	10	4 - 54
Pulmonary Disease	12	17	8 - 54	15	20	8 - 51
Renal Failure	4	50	8 - 86	2	100	3 - 89
Severe Acute Heart Disease	3	33	6 - 87	12	25	17 - 65
Severe Chronic Heart Disease	8	13	5 - 59	11	36	7 - 61
Severe Trauma	1	0	0 - 98	0	-	-
Gastrointestinal Disease	20	0	0 - 61	32	3	0 - 53
Gynecologic Disease	4	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	28	0	0 - 27	20	0	0 - 59
Musculoskeletal/Skin Conditions	35	0	0 - 37	25	8	0 - 96
Neuropsychiatric/Sensory Disease	4	0	0 -100	5	0	0 -100
Urologic Disease	9	0	0 -100	13	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	55
Occupancy Rate (%):	40
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	14
Percent of Physicians Who Are Board Certified Specialists:	79
Interns and Residents:	0
Registered Nurses:	18
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

KENOSHA MEMORIAL HOSPITAL INC

6308 8TH AVE
KENOSHA, WI 53140

Medicare Hospital Provider Number: 520021

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,295	13	10 - 15	1,307	10	10 - 14
Cancer	35	49	23 - 58	25	36	26 - 64
Cerebrovascular Accidents	44	36	16 - 45	46	20	14 - 39
Gastrointestinal Catastrophes	16	19	10 - 53	13	23	19 - 66
Infectious Disease	15	13	14 - 54	14	14	13 - 55
Metabolic/Electrolyte Disorders	33	18	14 - 46	40	27	11 - 43
Pulmonary Disease	78	23	16 - 38	51	20	11 - 36
Renal Failure	6	33	9 - 79	3	67	9 - 92
Severe Acute Heart Disease	61	51	30 - 57	67	42	27 - 52
Severe Chronic Heart Disease	82	22	13 - 33	94	16	15 - 32
Severe Trauma	3	0	4 - 79	4	0	7 - 72
Gastrointestinal Disease	93	5	1 - 15	93	6	0 - 18
Gynecologic Disease	4	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	156	2	2 - 7	151	2	2 - 8
Musculoskeletal/Skin Conditions	128	5	0 - 13	130	2	1 - 8
Neuropsychiatric/Sensory Disease	70	3	0 - 25	61	0	0 - 15
Urologic Disease	51	0	0 - 16	58	2	0 - 39

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	147
Occupancy Rate (%):	48
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	125
Percent of Physicians Who Are Board Certified Specialists:	58
Interns and Residents:	0
Registered Nurses:	137
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LA CROSSE LUTHERAN HOSPITAL

1910 SOUTH AVENUE
LA CROSSE, WI 54601

Medicare Hospital Provider Number: 520087

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,854	11	9 - 13	3,730	10	9 - 13
Cancer	137	35	26 - 47	120	39	30 - 52
Cerebrovascular Accidents	102	34	18 - 38	129	30	18 - 36
Gastrointestinal Catastrophes	35	40	18 - 54	20	30	14 - 57
Infectious Disease	54	43	23 - 52	44	30	23 - 54
Metabolic/Electrolyte Disorders	67	25	15 - 42	64	27	17 - 44
Pulmonary Disease	141	31	18 - 37	122	28	19 - 38
Renal Failure	18	56	9 - 66	18	44	20 - 77
Severe Acute Heart Disease	165	41	29 - 47	146	37	30 - 49
Severe Chronic Heart Disease	119	19	16 - 32	130	23	17 - 33
Severe Trauma	4	0	9 - 74	4	25	2 - 81
Gastrointestinal Disease	253	2	1 - 6	250	2	1 - 6
Gynecologic Disease	37	0	0 -100	39	0	0 -100
Low-Risk Heart Disease	481	5	2 - 6	446	4	2 - 6
Musculoskeletal/Skin Conditions	396	3	1 - 6	417	2	1 - 5
Neuropsychiatric/Sensory Disease	276	2	1 - 6	241	2	1 - 6
Urologic Disease	165	2	0 - 9	123	0	0 - 6

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	377
Occupancy Rate (%):	68
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	182
Percent of Physicians Who Are Board Certified Specialists:	85
Interns and Residents:	16
Registered Nurses:	451
Licensed Practical Nurses:	75

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

LUTHERAN HOSPITAL
LA CROSSE

October 19, 1988

William L. Roper, M.D., Administrator
Health Care Financing Administration
Department of Health and Human Services
Washington, D.C. 20201

Subject: Comments on HCFA Mortality Data
Medicare Provider No. 520087

Dear Doctor Roper:

The mortality rate of Lutheran Hospital-La Crosse was within parameters for all categories. Our review of HCFA mortality data found the information to be accurate.

Our review of the hospital characteristics obtained from the data contained in the American Hospital Association's 1986 Annual Survey of Hospitals (AHA) Files identified a number of points which deserve clarification. In 1986, we listed 176 med/surgical beds in the AHA survey. This figure does not include special care units, orthopedics, pediatrics, nursery, or obstetrics, yet the percentage of occupancy seems to be based on total beds set up and staffed--including our nursery bassinets. The number of registered nurses per bed seems high. We believe the ratio of registered nurses to beds--excluding neonate beds--to be 1.2. It is unclear how these numbers were arrived at, perhaps the wrong total bed count was used.

The total number of physicians is correct as reported. It should be noted that Lutheran Hospital has a hospice service, but does not have a designated hospice unit. Our organ transplant service consists of a limited number of corneal transplants.

Lutheran Hospital-La Crosse is a regional referral center and teaching hospital providing specialty care to 19 surrounding counties. Among the specialty services provided are cardiology, cardiothoracic surgery, cancer care, rehabilitation, renal dialysis, trauma, obstetrics, and neonatology. In addition to medical education, the Hospital supports training programs for over 300 nursing students and over 400 health care professionals in other fields.

The provision of quality care to hospital patients is the objective to which we dedicate ourselves. A comprehensive review of the quality care provided necessitates an examination of many variables. Mortality review is one of the quality indicators. However, a low mortality rate does not, by itself, indicate quality care, nor does a high mortality rate indicate a problem. To determine whether a problem exists, case-by-case review must be conducted. At Lutheran Hospital ongoing Medical Staff mortality review is performed at mortality conferences by interesting case presentations.

The Hospital and its Medical Staff's committment is displayed through its ongoing quality assurance program which monitors over 53 indicators. A medical education teaching program holds daily conferences where medical staff and over 100 guest lecturers deliver presentations. The teaching program generates the most intense form of quality control--peer review. Young doctors and medical students participating in the education program bring with them the most current medical knowledge. As they apply the knowledge to the care of patients, they ask endless questions of the medical staff teaching physician. Physicians willing to put their skills and knowledge on the line are attracted to this kind of creative atmosphere.

Sincerely,

Lutheran Hospital-La Crosse

DONALD SMITH

Donald Smith
Senior Vice President

KC/A:88D

LADD MEMORIAL HOSPITAL

301 RIVER STREET
OSCEOLA, WI 54020

Medicare Hospital Provider Number: 520157

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	154	13	10 - 22	167	12	10 - 20
Cancer	3	67	10 - 91	4	50	6 - 82
Cerebrovascular Accidents	13	15	9 - 52	18	22	11 - 51
Gastrointestinal Catastrophes	1	100	3 - 98	1	0	0 - 99
Infectious Disease	3	33	10 - 91	1	0	2 - 97
Metabolic/Electrolyte Disorders	1	100	0 - 98	3	33	2 - 86
Pulmonary Disease	5	0	3 - 64	10	50	12 - 69
Renal Failure	1	100	2 - 97	3	33	8 - 90
Severe Acute Heart Disease	8	38	14 - 74	7	14	16 - 72
Severe Chronic Heart Disease	16	31	10 - 54	11	27	6 - 59
Severe Trauma	0	-	-	1	0	1 - 97
Gastrointestinal Disease	13	0	0 - 62	10	0	0 - 85
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	16	0	0 - 55	19	0	0 - 38
Musculoskeletal/Skin Conditions	14	0	0 - 66	17	0	0 - 92
Neuropsychiatric/Sensory Disease	9	0	0 - 99	6	0	0 -100
Urologic Disease	8	0	0 - 92	9	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	38
Occupancy Rate (%):	37
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	17
Percent of Physicians Who Are Board Certified Specialists:	88
Interns and Residents:	0
Registered Nurses:	14
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LAKELAND HOSPITAL

P O BOX 1002 COUNTY TRONK NN
ELKHORN, WI 53121

Medicare Hospital Provider Number: 520102

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,171	12	10 - 15	1,259	13	9 - 14
Cancer	30	50	22 - 59	45	53	22 - 54
Cerebrovascular Accidents	54	28	17 - 42	51	24	16 - 41
Gastrointestinal Catastrophes	14	43	16 - 67	12	50	14 - 67
Infectious Disease	11	36	16 - 70	16	44	13 - 61
Metabolic/Electrolyte Disorders	15	13	9 - 50	18	39	7 - 54
Pulmonary Disease	79	16	15 - 34	71	18	15 - 37
Renal Failure	3	67	13 - 96	4	50	11 - 89
Severe Acute Heart Disease	50	28	26 - 52	39	36	22 - 53
Severe Chronic Heart Disease	59	25	15 - 38	66	18	14 - 34
Severe Trauma	1	0	0 - 97	1	100	3 - 98
Gastrointestinal Disease	107	4	1 - 11	139	6	1 - 12
Gynecologic Disease	9	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	119	1	2 - 7	152	3	1 - 8
Musculoskeletal/Skin Conditions	112	5	0 - 14	118	4	0 - 12
Neuropsychiatric/Sensory Disease	37	3	0 - 62	39	5	0 - 62
Urologic Disease	34	0	1 - 16	50	0	0 - 17

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 119
Occupancy Rate (%): 50
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 47
Percent of Physicians Who Are Board Certified Specialists: 79
Interns and Residents: 0
Registered Nurses: 82
Licensed Practical Nurses: 10

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: Yes

LAKEVIEW HOSPITAL

10010 WEST BLUEMOUND ROAD
MILWAUKEE, WI 53226

Medicare Hospital Provider Number: 520082

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	491	9	7 - 13	517	9	6 - 13
Cancer	4	50	10 - 86	13	31	14 - 63
Cerebrovascular Accidents	13	23	8 - 55	10	0	15 - 50
Gastrointestinal Catastrophes	1	100	3 - 98	2	0	5 - 89
Infectious Disease	9	33	9 - 67	8	50	10 - 72
Metabolic/Electrolyte Disorders	4	0	8 - 72	8	25	7 - 66
Pulmonary Disease	23	30	11 - 50	20	30	12 - 52
Renal Failure	2	0	6 - 90	2	50	1 - 94
Severe Acute Heart Disease	15	40	25 - 72	15	60	19 - 66
Severe Chronic Heart Disease	11	18	7 - 55	14	36	7 - 56
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	55	2	1 - 14	55	7	0 - 30
Gynecologic Disease	11	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	36	3	0 - 29	39	3	0 - 22
Musculoskeletal/Skin Conditions	106	1	0 - 8	131	1	0 - 8
Neuropsychiatric/Sensory Disease	10	0	0 -100	7	0	0 -100
Urologic Disease	26	0	0 - 39	19	5	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	118
Occupancy Rate (%):	28
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	42
Percent of Physicians Who Are Board Certified Specialists:	36
Interns and Residents:	9
Registered Nurses:	43
Licensed Practical Nurses:	18

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LAKEVIEW MEDICAL CENTER

1100 NORTH MAIN ST
RICE LAKE, WI 54868

Medicare Hospital Provider Number: 520011

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	806	11	8 - 14	753	9	8 - 13
Cancer	17	65	22 - 66	13	38	20 - 70
Cerebrovascular Accidents	21	43	11 - 52	21	33	12 - 52
Gastrointestinal Catastrophes	2	100	11 - 95	4	25	3 - 80
Infectious Disease	12	8	16 - 56	10	40	10 - 67
Metabolic/Electrolyte Disorders	20	25	9 - 51	16	38	11 - 58
Pulmonary Disease	29	28	14 - 48	30	17	13 - 42
Renal Failure	2	100	10 - 94	1	100	3 - 98
Severe Acute Heart Disease	35	37	24 - 56	28	32	25 - 59
Severe Chronic Heart Disease	41	22	10 - 37	43	23	12 - 39
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	79	4	1 - 15	55	0	0 - 11
Gynecologic Disease	12	0	0 - 98	14	0	0 -100
Low-Risk Heart Disease	83	5	1 - 14	78	3	1 - 11
Musculoskeletal/Skin Conditions	131	3	1 - 10	128	1	1 - 6
Neuropsychiatric/Sensory Disease	26	0	0 - 31	22	5	0 - 92
Urologic Disease	37	0	0 - 50	42	0	0 - 21

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	75
Occupancy Rate (%):	49
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	31
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	75
Licensed Practical Nurses:	12

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	Yes
Hospice Care:	No

LANGLADE COUNTY MEMORIAL HOSPITAL

112 E 5TH AVE
ANTIGO, WI 54409

Medicare Hospital Provider Number: 520148

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	680	12	11 - 17	638	11	10 - 16
Cancer	12	58	18 - 71	21	67	29 - 70
Cerebrovascular Accidents	32	19	13 - 42	27	15	12 - 42
Gastrointestinal Catastrophes	4	25	8 - 82	3	0	2 - 80
Infectious Disease	17	24	17 - 59	17	12	14 - 51
Metabolic/Electrolyte Disorders	2	0	2 - 89	8	0	8 - 52
Pulmonary Disease	43	21	14 - 40	23	22	15 - 51
Renal Failure	2	50	4 - 93	2	50	7 - 96
Severe Acute Heart Disease	46	41	25 - 54	33	39	25 - 59
Severe Chronic Heart Disease	43	19	14 - 39	45	16	13 - 36
Severe Trauma	0	-	-	1	0	0 -100
Gastrointestinal Disease	90	0	1 - 7	62	2	1 - 13
Gynecologic Disease	8	0	0 -100	14	0	0 -100
Low-Risk Heart Disease	69	7	1 - 19	81	2	1 - 11
Musculoskeletal/Skin Conditions	34	6	0 - 37	33	3	0 - 34
Neuropsychiatric/Sensory Disease	13	0	0 - 64	12	0	0 - 97
Urologic Disease	30	10	0 - 52	42	0	0 - 16

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	53
Occupancy Rate (%):	42
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	20
Percent of Physicians Who Are Board Certified Specialists:	70
Interns and Residents:	0
Registered Nurses:	29
Licensed Practical Nurses:	1

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LANGLADE MEMORIAL HOSPITAL
RELIGIOUS HOSPITALLERS OF ST. JOSEPH

October 14, 1988

Sandra Kappert
Health Standards and Quality Bureau HCFA
6325 Security Boulevard
Baltimore, MD 21207

Dear Ms. Kappert:

We appreciate the opportunity to comment on the mortality data prepared by the Healthcare Financing Administration for Medicare patients at Langlade Memorial Hospital.

Our comments are as follows:

1. Our review of the data indicates that the information is accurate and reflects the patients seen and admitted to our hospital, but not useful in reaching any kind of conclusions on the quality ofe performance of our institution.

2. We decided to do a detailed analysis of a diagnostic category and found that 5% of the patients in this category were transferred from our hospital from another hospital at the patient's request with a terminal illness. Obviously, this has no bearing on the type of care provided at Langlade Memorial Hospital.

3. Our review identified that our swing bed unit is included in the general medicare data. Our swing bed program is designed for patients who require short-term rehabilitation, or have a terminal illness which will need short term support. It is obvious that this data would skew the overall performance of a general acute care hospital in providing quality medical care. We would suggest that in order to make this data meaningful, you delete this information from our general acute care data.
4. Our sample analysis showed that 50% of our patients were transferred either to a nursing home or home for rehabilitation or terminal care. It is obvious without knowing the cause of death, one cannot make a judgement on the type of care and quality of care received at Langlade Memorial Hospital.

5. As reflected in the above comments, it is critical that in any of the deaths it is important to know what the cause of illness is as it relates to the admitting illness reflected in the mortality statistics. For example, you could have a patient transferred to a nursing home with cancer, and die of a stroke; or a patient transferred to home and die in a car accident. This information would be important in any data measuring the quality or performance of Langlade Memorial Hospital.
6. In reviewing all the illness categories, we found several admitting diagnoses where a mortality occurred that would seem to be medically "impossible" to die from that admitting diagnosis. It is obvious to us in our clinical review of this data that there must have been some other cause of death within those 30 days.

In conclusion, it is very difficult to reach any kind of qualitative judgement on hospital performance utilizing this information. We feel it really is not a valid measure of the quality or performance of care at Langlade Memorial Hospital because of the reasons stated above.

It is our perception that on a national scale, this is very interesting data on the mortality rate of patients that have been in the hospital and died within 30 days. This is kind of interesting if someone would like to trend it over several years, but not very useful for the purposes stated by Dr. Roper as an ongoing process of producing and publishing meaningful information on the quality of health care in the United States.

Sincerely,

Kevin J Keighron

Kevin J. Keighron
Executive Director

cc: Wisconsin Hospital Association

KJK:jkm
4799J

LUTHER HOSPITAL

1221 WHIPPLE ST
EAU CLAIRE, WI 54702

Medicare Hospital Provider Number: 520070

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,575	12	10 - 15	1,628	13	11 - 16
Cancer	71	48	28 - 54	90	50	30 - 55
Cerebrovascular Accidents	50	24	15 - 40	49	37	16 - 44
Gastrointestinal Catastrophes	15	60	21 - 69	14	21	14 - 60
Infectious Disease	22	45	19 - 61	25	44	24 - 64
Metabolic/Electrolyte Disorders	19	16	8 - 47	20	15	9 - 46
Pulmonary Disease	62	29	16 - 40	80	27	16 - 39
Renal Failure	10	50	17 - 80	7	43	11 - 81
Severe Acute Heart Disease	66	26	28 - 52	85	42	30 - 53
Severe Chronic Heart Disease	67	33	14 - 38	85	28	16 - 36
Severe Trauma	1	0	2 - 97	3	0	4 - 79
Gastrointestinal Disease	127	3	1 - 10	113	4	1 - 11
Gynecologic Disease	12	0	0 -100	19	5	0 -100
Low-Risk Heart Disease	192	2	2 - 7	143	3	1 - 9
Musculoskeletal/Skin Conditions	186	2	1 - 6	217	3	0 - 7
Neuropsychiatric/Sensory Disease	34	12	0 - 42	49	6	0 - 38
Urologic Disease	50	0	0 - 16	59	0	0 - 14

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1984

Total Beds (#):	304
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	174
Licensed Practical Nurses:	50

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

LutherHospital

October 20, 1988

Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

ATTENTION SANDRA KAPPERT

Dear Mrs. Kappert:

RE: Response to Medicare Mortality Information
Luther Hospital Eau Claire, Wisconsin
Provider No. 520070

One key aspect of any statistical survey or study is an indication of the accuracy of that data. In this study, where a predicted mortality range can vary as much as from "21-69% or 0-100%" one has to question the cost effectiveness of releasing such data. It is extremely difficult for health care professionals to ascertain any meaning to this data. I would question what if any meaningful health care decisions can be made by the general public utilizing these figures. If the public were made aware of the cost to the tax-paying public of gathering and disseminating this data, I'm sure we would have a great hue and cry to cease this inappropriate activity.

Sincerely,

Edward A. Wittrock
Vice President
Corporate Planning &
System Development

EAW:co
cc: Douglas Trembath

MEMORIAL COMMUNITY HOSPITAL

313 STOUGHTON ROAD
EDGERTON , WI 53534

Medicare Hospital Provider Number: 520031

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	300	14	8 - 17	339	12	8 - 16
Cancer	9	56	23 - 81	6	67	15 - 81
Cerebrovascular Accidents	11	0	13 - 45	11	55	10 - 65
Gastrointestinal Catastrophes	2	100	5 - 89	2	50	1 - 92
Infectious Disease	7	29	5 - 69	6	33	6 - 74
Metabolic/Electrolyte Disorders	11	18	6 - 57	13	15	7 - 52
Pulmonary Disease	18	33	7 - 51	21	19	12 - 47
Renal Failure	3	67	1 - 90	2	50	6 - 95
Severe Acute Heart Disease	16	38	18 - 63	17	41	19 - 64
Severe Chronic Heart Disease	10	10	5 - 52	16	6	10 - 41
Severe Trauma	1	0	1 - 97	0	-	-
Gastrointestinal Disease	28	7	0 - 73	34	0	0 - 36
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	29	3	0 - 41	27	0	0 - 27
Musculoskeletal/Skin Conditions	39	8	0 - 57	43	0	0 - 34
Neuropsychiatric/Sensory Disease	9	0	0 -100	11	9	0 -100
Urologic Disease	17	12	0 -100	11	0	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	115
Occupancy Rate (%):	77
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	20
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	25
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MEMORIAL HOSPITAL

333 REED AVENUE
MANITOWOC, WI 54220

Medicare Hospital Provider Number: 520081

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	704	12	8 - 14	735	11	9 - 14
Cancer	16	50	20 - 67	15	27	20 - 65
Cerebrovascular Accidents	31	23	11 - 42	21	43	11 - 52
Gastrointestinal Catastrophes	5	20	7 - 75	8	25	6 - 66
Infectious Disease	16	31	15 - 61	15	53	22 - 71
Metabolic/Electrolyte Disorders	9	33	4 - 65	13	31	9 - 60
Pulmonary Disease	34	29	15 - 47	36	17	11 - 39
Renal Failure	1	100	1 - 97	3	67	13 - 96
Severe Acute Heart Disease	18	78	26 - 65	21	33	20 - 60
Severe Chronic Heart Disease	37	24	11 - 40	41	32	13 - 42
Severe Trauma	1	0	0 -100	0	-	-
Gastrointestinal Disease	87	3	1 - 13	62	3	1 - 15
Gynecologic Disease	9	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	56	4	0 - 18	63	5	1 - 18
Musculoskeletal/Skin Conditions	126	0	1 - 5	143	0	1 - 5
Neuropsychiatric/Sensory Disease	12	8	0 - 87	16	6	0 -100
Urologic Disease	32	0	0 - 49	39	0	0 - 42

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	87
Occupancy Rate (%):	37
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	77
Percent of Physicians Who Are Board Certified Specialists:	45
Interns and Residents:	0
Registered Nurses:	41
Licensed Practical Nurses:	12

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Hospital ID #520081

MEMORIAL HOSPITAL

October 19, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Following are our hospital's specific comments to the HCFA Mortality Data release:

Data Verification:

HCFA mortality data indicates that a total of 86 Medicare patients admitted to Manitowoc Memorial Hospital during 1987 expired within 30 days of admission. Of these, 66 expired while still a patient of the hospital, while 20 expired after discharge. One variable factor that we are not able to develop analysis on is those deaths occurring after discharge. The cause of death in those cases expiring after discharge may not be related to the diagnosis for which care was provided in the hospital. Since data is collected by principal diagnosis for the last hospital stay prior to death, the actual cause of death never enters into the HCFA analysis. HCFA data also indicates a total of 704 cases for 1987. Our own data indicates 1,122 cases for 1987. Since HCFA data includes only the last admission for each Medicare beneficiary in 1987, presumably, the discrepancy reflects multiple admissions of individual beneficiaries to various hospitals.

Interpretative Remarks:

RENAL FAILURE - In reference to 1987 data presented, it should be noted that one case does not provide valid statistical information. We would refer interested parties to the 1986 data for better prediction analysis. In reviewing this area, however, comment should be made that a patient has the right to request "comfort measures" only, in lieu of further aggressive treatments, when extreme conditions are present. This case represented a request for "comfort measures only".

MUSCULO-SKELETAL & CUTANEOUS CONDITION - In reference to data presented, it is noted that we fall below the predicted range for this low-risk category. Review indicates that all cases received appropriate acute level care and were released with the appropriate follow-up arrangements.

SEVERE ACUTE HEART DISEASE - In reference to 1987 data presented, a discrepancy in the number of cases was found during our initial review of data. 13 cases not reported on HCFA data were analyzed individually. Of these, 9 cases could be verified as having subsequent admissions to Memorial or other hosptials, which removed them from our hospital specif HCFA data. However, 4 cases could not be verified as having subsequent admissions. Inclusion of these cases in our hospital specific data would place our actual mortality rate within the HCFA predicted rates. Of those deaths reported by HCFA, 2 cases actually expired after discharge. (It was not possible to verify that the principal diagnosis for the hospital admission and the cause of death were the same for thes two cases since documentation after discharge was not available to us.) While HCFA has made an effort to include risk factors in their computations, the severity of illness for each individual case could not be taken into account. It should be noted that based on severity of illnes, and/or co-existing conditions, a patient has the right to request NO CPR 64% of deaths in this category were severely ill patients who had established NO CPR status. We feel the severity of illness issue is a factor that needs to be considered in evaluation of this type of data.

In all remaining areas we fall within the predicted ranges set by HCFA. While we are pleased with the favorable comparison of our actual mortality rate to the HCFA predicted mortality range, it is important to keep in mind that HCFA's mortality rates should be used only as a statistical analysis of estimated mortality rates. The information is not a measure of hospital performance. Under no circumstances should it be used for judging the quality of care provided at Manitowoc Memoria Hospital or any other hospital. Our commitment to quality includes the ongoing, continuous review of all cases including deaths as a Quality Assurance directive in a continuing effort to provide the highest quality care to our patients.

The comments presented are intended for assistance in interpreting the HCFA Mortality Data for Manitowoc Memorial Hospital. The data and interpretation suggest Manitowoc Memorial is experiencing acceptable levels of predicted mortality. Any further questions and/or inquires should be addressed to Mr. Michael Hammer, Chief Operating Officer, Memorial Hospital, 333 Reed Avenue, Manitowoc, WI 54220.

Cordially,

Michael Hammer

Michael Hammer
Chief Operating Officer

MH/eb

MEMORIAL HOSPITAL

507 S MONROE ST
LANCASTER, WI 53813

Medicare Hospital Provider Number: 520146

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	291	11	7 - 15	379	11	9 - 16
Cancer	3	100	15 - 87	10	40	25 - 80
Cerebrovascular Accidents	10	20	10 - 61	15	20	13 - 55
Gastrointestinal Catastrophes	0	-	-	4	25	7 - 81
Infectious Disease	4	25	1 - 82	1	100	1 - 97
Metabolic/Electrolyte Disorders	10	50	5 - 65	9	0	11 - 50
Pulmonary Disease	14	14	10 - 51	14	29	9 - 56
Renal Failure	3	33	3 - 87	6	50	7 - 80
Severe Acute Heart Disease	10	30	13 - 67	12	33	22 - 72
Severe Chronic Heart Disease	17	12	8 - 43	18	39	7 - 52
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	35	3	0 - 36	55	4	1 - 18
Gynecologic Disease	2	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	34	6	0 - 36	33	0	0 - 22
Musculoskeletal/Skin Conditions	43	0	0 - 22	49	2	0 - 21
Neuropsychiatric/Sensory Disease	4	0	0 -100	7	0	0 -100
Urologic Disease	7	0	0 -100	10	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 35
Occupancy Rate (%): 40
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 44
Percent of Physicians Who Are Board Certified Specialists: 39
Interns and Residents: 0
Registered Nurses: 18
Licensed Practical Nurses: 12

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

MEMORIAL HOSPITAL ASSOCIATION

301 RANDOLPH STREET
BURLINGTON, WI 53105

Medicare Hospital Provider Number: 520059

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	813	14	9 - 15	815	15	10 - 16
Cancer	26	38	21 - 59	28	57	19 - 56
Cerebrovascular Accidents	31	35	12 - 46	39	28	15 - 44
Gastrointestinal Catastrophes	12	8	13 - 55	13	15	14 - 59
Infectious Disease	11	45	11 - 66	9	22	10 - 65
Metabolic/Electrolyte Disorders	22	36	10 - 53	19	26	8 - 51
Pulmonary Disease	66	23	15 - 37	68	29	15 - 40
Renal Failure	2	100	5 - 90	4	100	11 - 79
Severe Acute Heart Disease	35	57	21 - 54	34	29	24 - 56
Severe Chronic Heart Disease	44	20	12 - 37	44	18	10 - 34
Severe Trauma	0	-	-	1	0	1 - 97
Gastrointestinal Disease	64	3	0 - 20	78	4	0 - 17
Gynecologic Disease	14	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	93	2	1 - 10	83	5	1 - 14
Musculoskeletal/Skin Conditions	65	2	0 - 16	80	1	0 - 11
Neuropsychiatric/Sensory Disease	15	0	0 - 75	12	8	0 - 98
Urologic Disease	30	3	0 - 99	30	3	0 - 70

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	90
Occupancy Rate (%):	53
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	50
Percent of Physicians Who Are Board Certified Specialists:	66
Interns and Residents:	0
Registered Nurses:	71
Licensed Practical Nurses:	19

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

520059

Memorial Hospital
of Burlington

COMMENTS ON THE HCFA MORTALITY DATA

DATA VERIFICATION

Memorial Hospital admitted 848 Medicare patients in 1987. The data used by HCFA indicates that a total of 153 of these Medicare patients died within 30 days of admission. Of these, 84 died while still a patient in the hospital, whereas 69 died after discharge.

INTERPRETIVE REMARKS

In two of the diagnostic categories, the hospital's actual mortality rate falls outside of the range of the predicted mortality rate. We feel both have justifiable variance factors.

RESULTS OF PRELIMINARY MEDICARE RECORD REVIEW

1. Evaluation of the mortality rate for renal failure must take into specific account the extremely small sample size in this category. The hospital treated only two patients with renal failure during 1987. It is statistically unsound and quite misleading to attribute any significance to a mortality rate based on a patient population which includes only two patients (one of whom had a history of chronic renal failure and the other having been admitted with renal failure, severe malnutrition and dehydration, a urinary tract infection, and interstitial nephritis). The two cases treated at Memorial involved critically ill patients who indeed were in end-stage situations.

2. The severe acute heart disease category listed as the actual mortality rate for 1987 as 57% with the predicted mortality range of 21-54%. In order to appropriately evaluate this category, several factors must be taken into consideration:

    A. Ages of the patients - eight of the twenty patients who died were eighty years or older.

    B. Medical history - of the seventeen patients who died in the hospital, thirteen had a history of cardiovascular problems.

    C. Resuscitation attempts prior to admission - three patients were admitted with resuscitative attempts in process.

D. Patient/family requests respected - nine patients carried a No Code status that indicated the family did not wish life-prolonging measures given the situation at hand.

Given the patient population within the statistical analysis, we feel the variance to be explainable and justifiable.

3. All of the hospital mortalities are reviewed by the quality management committee to determine if the care was appropriate and timely. Specifically, in the review of the severe acute heart disease and renal deaths it was determined that the care administered was appropriate in each case and that no quality of care issues existed.

HC538J

MEMORIAL HOSPITAL AT OCONOMOWOC

791 EAST SUMMIT AUENUE
OCONOMOWOC, WI 53066

Medicare Hospital Provider Number: 520062

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	795	12	10 - 15	915	14	10 - 15
Cancer	28	46	21 - 58	33	42	29 - 64
Cerebrovascular Accidents	32	47	16 - 50	42	38	16 - 46
Gastrointestinal Catastrophes	4	50	14 - 90	12	42	14 - 67
Infectious Disease	12	33	16 - 67	13	23	16 - 63
Metabolic/Electrolyte Disorders	12	17	4 - 54	10	30	7 - 63
Pulmonary Disease	35	26	14 - 44	43	33	15 - 45
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	23	39	23 - 62	38	37	25 - 56
Severe Chronic Heart Disease	64	16	15 - 34	39	13	12 - 35
Severe Trauma	1	100	0 - 98	2	0	1 - 89
Gastrointestinal Disease	59	3	0 - 17	69	4	0 - 19
Gynecologic Disease	10	10	0 -100	6	0	0 -100
Low-Risk Heart Disease	59	2	1 - 12	95	3	1 - 11
Musculoskeletal/Skin Conditions	99	3	0 - 16	128	5	0 - 15
Neuropsychiatric/Sensory Disease	15	0	0 - 90	20	5	0 - 96
Urologic Disease	34	0	1 - 17	40	0	0 - 20

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	82
Occupancy Rate (%):	47
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	51
Percent of Physicians Who Are Board Certified Specialists:	84
Interns and Residents:	0
Registered Nurses:	90
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MHO

Memorial Hospital at Oconomowoc

Fred Spade
[illegible]

October 13, 1988

Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, MD 21207
Attention: Sandra Kappert

Provider #520062

Re: Hospital Mortality Information

Gentlemen:

After reviewing the data you forwarded to our hospital, I would make the following comments:

1. Accuracy of 1987 Information
    a. Total Number Cases
    Your data indicates we had a total number of 795 cases treated in our hospital in 1987. As was the case with last year's total number of cases, there is a considerable discrepancy between your data and that which our records indicate. Our records indicate the total number of cases to be 1,255 for calendar year 1987. I am at a loss to understand this wide variation in data.

    b. Number of Deaths
    Your data indicates that there was a total of 178 deaths within 30 days of discharge. I am unable to verify that information because of the large discrepancy indicated in 1.a. above, and from the list you provided us, I determined that only 81 of those died while hospitalized here. Therefore, I am unable to verify whether or not the other 97 died or that they died within 30 days of discharge.

    c. Coding of Final Diagnosis
    There was a total of 28 cases (see attached list) in which the final diagnosis which you used to categorize these cases was not the same diagnosis which caused the death. There were two cases in which the principal diagnosis was changed subsequent to the submission of the Medicare bill:

791 East Summit Avenue, Oconomowoc, Wisconsin 53066 (414) 567-0371

Medical Record #	Health Ins. Claim #	Date of Admission	Listed Principal DRG	Actual Principal DRG
[redacted]	[redacted]	10/17/87	7,807	1,629
[redacted]	[redacted]	3/12/87	185	5,112

These changes were caused by clerical errors.

d. Other
The following patient was included on the list as an "inpatient" when actually, in fact, the patient was in the hospital's Emergency Department at the time of death. As I understand, the HCFA records have now been changed to reflect this fact.

Medical Record #	Health Ins. Claim #	Date of Admission
[redacted]	[redacted]	6/21/87

2. Computation of Mortality Rate
Included in the total of 81 deaths which I could verify, there were 19 (23.5%) who died within the 24-hour period immediately following admission. These patients were either critically ill or injured at the time of admission. Some method should be developed to modify the actual mortality rate to include a "severity of illness" factor if one is to accurately evaluate the data.

3. Data for Calendar Year 1986
The data which you submitted this time for last year has me completely confused. Even taking into account the comments I submitted last year about the 1986 data does not explain the wide variances between the data which were reported last year for 1986 and the data which is being reported now. For example, the total number of cases reported last year for 1986 was 903. I had stated in my letter last year that our records indicated a total of 1,319. Your most recent report now indicates a total of 915. Also please note the following wide variances between the two reports:

Diagnostic Category	1986 Cases Reported in 1987	1986 Cases Reported in 1988
Cancer	72	33
Gastrointestinal Catastrophies	23	12
Pulmonary Disease	82	43
Severe Trauma	37	2
Gastrointestinal Disease	97	69
Low Risk Heart Disease	60	95
Musculoskeletal and Cutaneous	91	128

These unexplained wide variances continue to make all of the data somewhat suspect in my mind since I have no way to verify the variances. It would be helpful to have some explanation of these variances.

Yours truly,

MEMORIAL HOSPITAL AT OCONOMOWOC

Fred Spade
Administrator

/kjl

Enclosure

cc: Hospital Council of Greater Milwaukee Area
Wisconsin Hospital Association
American Hospital Association

MEMORIAL HOSPITAL INC

216 SUNSET PLACE
NEILLSVILLE, WI 54456

Medicare Hospital Provider Number: 520054

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	287	22	12 - 22	345	18	10 - 19
Cancer	3	100	8 - 81	5	60	12 - 83
Cerebrovascular Accidents	19	37	11 - 54	10	10	12 - 57
Gastrointestinal Catastrophes	2	0	1 - 89	5	80	11 - 79
Infectious Disease	7	57	9 - 73	5	20	7 - 75
Metabolic/Electrolyte Disorders	16	31	8 - 55	7	14	3 - 65
Pulmonary Disease	39	44	16 - 48	44	36	17 - 47
Renal Failure	3	67	10 - 93	2	50	3 - 93
Severe Acute Heart Disease	14	64	23 - 71	10	90	22 - 66
Severe Chronic Heart Disease	7	14	6 - 64	17	41	10 - 56
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	20	0	0 - 60	33	9	0 - 61
Gynecologic Disease	1	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	36	0	1 - 16	44	2	1 - 17
Musculoskeletal/Skin Conditions	11	0	0 - 99	28	4	0 - 64
Neuropsychiatric/Sensory Disease	7	0	0 - 99	6	0	0 -100
Urologic Disease	5	0	0 -100	11	9	0 - 65

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	216
Occupancy Rate (%):	82
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	11
Percent of Physicians Who Are Board Certified Specialists:	82
Interns and Residents:	0
Registered Nurses:	20
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MEMORIAL HOSPITAL & HOME
216 SUNSET PLACE
NEILLSVILLE, WISCONSIN 54456
715-743-3101

October 14, 1988

Health Care Financing Administration
Health Standards & Quality Bureau
Hospital Mortality Information
P. O. Box 26684
Baltimore, MD 21207

To whom it may concern:

The hospital specific mortality data, as published, has two major flaws that will greatly affect small rural hospitals in general and Memorial Hospital, Neillsville in particular.

1. Some categories have a limited number of diagnoses and some cover a broad range. Because of this the public might interpret some categories as all cases treated, not a selected few. This reduces sample size to where one death in a rural facilty could have significant impact.

2. Utilizing the last admission seems to skew the data and does not let the facility, especially rural, utilize all of its patient base to build a sufficent sample.

The cancer category in which we were above the normal range only included selected diagnoses. The three cases that were selected out of the cancer category only represents 8% of all our cancer inpatients. When the public sees these figures for the cancer category, will they have knowledge that the cancer category is a limited to a few types of cancer? For a rural facility without a large cancer base, one patient can impact the statistics significantly. For example, we found one additional patient that could have been included in the sample. This patient is still alive and would have put us within the normal range.

By limiting the sample to last admission, this further limits the number of patients a rural facility can utilize in the sample. By limiting the sample the data is more easily skewed, thereby negatively effecting small rural hospitals.

Generally, we feel that mortality data is only useful in judging the quality of care that a hospital provides when more factors of care, comorbidity and age are taken into consideration. We realize that this is meant to be a limited study that flags possible quality problems, however the method of dissemination gives it for more weight in the public eye, than it deserves.

Sincerely,

Glen E Grady

Glen Grady
Administrator

MEMORIAL HOSPITAL OF BOSCOBEL

205 PARKER ST
BOSCOBEL, WI 53805

Medicare Hospital Provider Number: 520114

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	223	15	8 - 18	287	17	9 - 19
Cancer	9	78	17 - 70	1	0	0 - 97
Cerebrovascular Accidents	10	40	8 - 64	11	27	11 - 62
Gastrointestinal Catastrophes	1	0	0 - 98	3	67	4 - 86
Infectious Disease	3	67	4 - 86	2	0	4 - 89
Metabolic/Electrolyte Disorders	0	-	-	7	14	6 - 65
Pulmonary Disease	21	33	12 - 52	29	38	11 - 47
Renal Failure	0	-	-	3	100	18 - 96
Severe Acute Heart Disease	8	50	11 - 72	14	50	19 - 68
Severe Chronic Heart Disease	11	27	5 - 58	22	50	9 - 50
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	37	0	1 - 14	36	3	0 - 25
Gynecologic Disease	3	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	21	0	0 - 39	30	0	1 - 19
Musculoskeletal/Skin Conditions	18	0	0 - 56	23	9	0 - 64
Neuropsychiatric/Sensory Disease	10	0	0 -100	14	0	0 - 59
Urologic Disease	13	0	0 - 93	9	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	128
Occupancy Rate (%):	76
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	18
Percent of Physicians Who Are Board Certified Specialists:	72
Interns and Residents:	0
Registered Nurses:	16
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MEMORIAL HOSPITAL OF IOWA COUNTY INC

825 SOUTH IOWA STREET
DODGEVILLE, WI 53533

Medicare Hospital Provider Number: 520032

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	325	12	9 - 17	301	13	10 - 19
Cancer	8	38	18 - 78	6	50	17 - 84
Cerebrovascular Accidents	21	29	10 - 49	11	9	12 - 53
Gastrointestinal Catastrophes	2	0	5 - 89	5	40	9 - 80
Infectious Disease	1	0	0 - 98	5	40	15 - 86
Metabolic/Electrolyte Disorders	1	0	3 - 98	4	25	1 - 83
Pulmonary Disease	27	19	14 - 46	21	10	10 - 41
Renal Failure	3	0	3 - 81	5	60	12 - 86
Severe Acute Heart Disease	10	40	14 - 70	18	50	22 - 66
Severe Chronic Heart Disease	20	35	9 - 51	15	20	7 - 50
Severe Trauma	1	0	0 - 99	0	-	-
Gastrointestinal Disease	27	7	0 - 51	23	4	0 - 67
Gynecologic Disease	3	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	33	6	0 - 33	32	3	0 - 35
Musculoskeletal/Skin Conditions	37	5	0 - 55	26	8	0 - 50
Neuropsychiatric/Sensory Disease	6	0	0 -100	7	0	0 -100
Urologic Disease	15	0	0 - 98	11	0	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	84
Occupancy Rate (%):	67
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	12
Percent of Physicians Who Are Board Certified Specialists:	42
Interns and Residents:	0
Registered Nurses:	29
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MEMORIAL HOSPITAL OF LAFAYETTE CO

800 CLAY ST
DARLINGTON, WI 53530

Medicare Hospital Provider Number: 520110

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	209	19	9 - 20	245	12	8 - 17
Cancer	6	83	24 - 85	5	60	6 - 78
Cerebrovascular Accidents	14	36	8 - 57	12	50	7 - 61
Gastrointestinal Catastrophes	2	100	7 - 91	3	0	2 - 80
Infectious Disease	2	0	1 - 90	3	0	15 - 88
Metabolic/Electrolyte Disorders	0	-	-	4	0	10 - 74
Pulmonary Disease	10	30	7 - 62	10	10	8 - 54
Renal Failure	2	50	6 - 95	2	50	1 - 93
Severe Acute Heart Disease	8	25	17 - 73	8	50	16 - 76
Severe Chronic Heart Disease	14	29	6 - 54	14	21	10 - 54
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	20	5	0 - 65	16	0	0 - 73
Gynecologic Disease	4	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	19	5	0 - 73	20	10	0 - 72
Musculoskeletal/Skin Conditions	28	14	1 - 43	24	0	0 - 31
Neuropsychiatric/Sensory Disease	6	0	0 -100	11	0	0 - 99
Urologic Disease	4	25	0 -100	14	0	0 - 68

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	28
Occupancy Rate (%):	39
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	10
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Memorial Hospital of Lafayette County
800 CLAY STREET
Darlington, Wisconsin
53530

October 18, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert,

The information on hospital characteristics contained in the DHSS's draft report released on 9/15/88 was incorrect. I note on page 2 of your cover memo that this will be revised on more recent AHA files prior to the final publication in December.

In addition, please be advised that three of the five physicians with active staff privileges are certified specialists. Also, most of the consulting staff members are certified specialists.

Respectfully,

Don Easley

Don Easley
Administrator

DBE/jo

MEMORIAL HOSPITAL OF TAYLOR COUNTY I

135 SOUTH GIBSON STREET
MEDFORD, WI 54451

Medicare Hospital Provider Number: 520006

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	373	9	8 - 15	374	10	9 - 16
Cancer	3	100	16 - 88	4	75	8 - 82
Cerebrovascular Accidents	8	13	7 - 60	22	27	11 - 49
Gastrointestinal Catastrophes	2	50	4 - 93	1	0	3 - 99
Infectious Disease	5	20	8 - 75	2	0	3 - 88
Metabolic/Electrolyte Disorders	8	38	5 - 68	4	25	2 - 81
Pulmonary Disease	29	14	13 - 41	29	17	13 - 43
Renal Failure	0	-	-	2	100	9 - 94
Severe Acute Heart Disease	21	14	23 - 56	19	37	23 - 65
Severe Chronic Heart Disease	15	20	7 - 50	21	10	9 - 39
Severe Trauma	0	-	-	1	100	2 - 97
Gastrointestinal Disease	38	0	0 - 17	40	2	0 - 24
Gynecologic Disease	8	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	70	4	1 - 15	68	3	1 - 13
Musculoskeletal/Skin Conditions	25	4	0 - 39	18	11	0 - 83
Neuropsychiatric/Sensory Disease	2	0	0 -100	9	0	0 -100
Urologic Disease	32	0	1 - 18	25	0	0 - 54

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	164
Occupancy Rate (%):	71
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	16
Percent of Physicians Who Are Board Certified Specialists:	50
Interns and Residents:	0
Registered Nurses:	18
Licensed Practical Nurses:	1

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

MEMORIAL MEDICAL CENTER INC

1615 MAPLE LANE
ASHLAND, WI 54806

Medicare Hospital Provider Number: 520173

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,229	12	8 - 13	1,218	10	9 - 14
Cancer	26	54	24 - 63	28	46	22 - 60
Cerebrovascular Accidents	43	42	13 - 43	42	21	17 - 44
Gastrointestinal Catastrophes	4	0	8 - 73	12	25	10 - 60
Infectious Disease	12	42	12 - 65	5	20	7 - 75
Metabolic/Electrolyte Disorders	19	11	9 - 45	11	27	6 - 60
Pulmonary Disease	69	26	14 - 38	56	27	16 - 41
Renal Failure	3	67	5 - 88	5	60	18 - 93
Severe Acute Heart Disease	43	35	21 - 51	61	46	28 - 54
Severe Chronic Heart Disease	67	22	13 - 35	49	14	15 - 36
Severe Trauma	1	100	1 - 97	1	0	0 - 98
Gastrointestinal Disease	104	2	1 - 9	81	1	1 - 10
Gynecologic Disease	11	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	105	6	1 - 13	113	4	1 - 11
Musculoskeletal/Skin Conditions	97	2	0 - 11	118	6	0 - 15
Neuropsychiatric/Sensory Disease	63	5	0 - 35	63	0	0 - 17
Urologic Disease	103	2	1 - 9	130	0	1 - 6

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 161
Occupancy Rate (%): 51
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 36
Percent of Physicians Who Are Board Certified Specialists: 0
Interns and Residents: 0
Registered Nurses: 106
Licensed Practical Nurses: 36

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

MERCY HOSPITAL OF JANESVILLE

1000 MINERAL POINT AVENUE
JANESVILLE, WI 53545

Medicare Hospital Provider Number: 520066

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,747	11	8 - 13	1,801	10	9 - 13
Cancer	55	53	25 - 54	61	44	27 - 55
Cerebrovascular Accidents	57	32	17 - 42	70	29	16 - 38
Gastrointestinal Catastrophes	15	33	12 - 60	20	35	15 - 59
Infectious Disease	18	33	17 - 61	18	28	13 - 56
Metabolic/Electrolyte Disorders	12	42	9 - 63	18	11	9 - 46
Pulmonary Disease	64	20	17 - 39	70	29	13 - 37
Renal Failure	8	38	10 - 77	9	67	20 - 84
Severe Acute Heart Disease	56	41	25 - 52	76	29	29 - 51
Severe Chronic Heart Disease	82	21	13 - 32	72	22	13 - 34
Severe Trauma	1	0	0 - 98	1	0	1 - 97
Gastrointestinal Disease	150	5	1 - 11	154	3	1 - 8
Gynecologic Disease	23	0	0 -100	16	0	0 -100
Low-Risk Heart Disease	170	4	1 - 9	158	3	2 - 8
Musculoskeletal/Skin Conditions	269	1	1 - 5	252	2	0 - 6
Neuropsychiatric/Sensory Disease	74	4	0 - 20	91	3	0 - 13
Urologic Disease	91	1	0 - 9	82	1	0 - 12

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	202
Occupancy Rate (%):	63
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	94
Percent of Physicians Who Are Board Certified Specialists:	81
Interns and Residents:	0
Registered Nurses:	204
Licensed Practical Nurses:	15

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Mercy Hospital
Janesville

1000 Mineral Point Avenue
Janesville, Wisconsin 53545
608 756 6000

October 20, 1988

Health Standards & Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Dr. Roper,

We would like to respond to the Medicare Hospital Mortality Information specific to our hospital for 1987 which will be published in December by the Health Care Financing Administration.

We find that Mercy Hospital's mortality rate again falls within the predicted range. We attempted to interpret the mortality rates as published and despite the number of changes that were made to this year's mortality prediction model, we were unsuccessful.

Some of the major concerns raised were:

1. The diagnostic categories (4) in the detailed data section cannot be compared to the diagnostic categories listed with the mortality rate information. For instance, CHF might be included with any one of a number of categories (i.e., severe acute heart disease, severe chronic heart disease, pulmonary disease, etc.) Diagnostic codes are not included.

2. Total number of hospital deaths are not given. Those deaths listed are only of those in the 4 undefined diagnostic categories.

3. It is unclear if patients are counted more than once; therefore, the same patients may appear in more than one category.

4. The data given is vague and not well defined; it cannot be compared to any standard hospital-based statistical data, as not enough information is provided to make it meaningful.

5. The specific hospital characteristics were taken from our AHA 1987 annual survey of hospitals report, but upon comparison it is not the same data. Therefore, it is unclear how they arrived at the number published.

Mercy Hospital's Medical Staff, through their on-going monitoring and evaluation of patient care expected our hospital rates to fall in the low to middle range, but it is important to recognize that the mortality data alone does not reflect the quality of care provided at Mercy Hospital.

I wish to thank you for the opportunity to respond to the Hospital Mortality Information prior to its public release.

Sincerely,

Sister M. Michael Berry

Sister Mary Michael, RSM
Administrator

cc: Mrs. Sandra Kappert

MERCY MEDICAL CENTER

631 HAZEL ST PO BOX 1100
OSHKOSH, WI 54901

Medicare Hospital Provider Number: 520048

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,143	11	10 - 14	2,200	10	10 - 15
Cancer	74	46	27 - 53	66	42	30 - 57
Cerebrovascular Accidents	78	28	17 - 39	118	19	21 - 37
Gastrointestinal Catastrophes	14	29	16 - 64	14	29	13 - 61
Infectious Disease	38	16	21 - 49	28	32	23 - 60
Metabolic/Electrolyte Disorders	36	19	10 - 42	29	17	9 - 43
Pulmonary Disease	108	22	18 - 37	126	20	18 - 35
Renal Failure	12	25	18 - 75	10	50	17 - 81
Severe Acute Heart Disease	90	40	29 - 51	90	34	31 - 53
Severe Chronic Heart Disease	102	17	16 - 33	111	17	17 - 33
Severe Trauma	4	50	4 - 82	3	33	3 - 86
Gastrointestinal Disease	182	1	2 - 6	191	3	1 - 8
Gynecologic Disease	22	0	0 -100	24	0	0 -100
Low-Risk Heart Disease	173	3	1 - 8	183	3	2 - 8
Musculoskeletal/Skin Conditions	261	3	1 - 6	267	1	1 - 5
Neuropsychiatric/Sensory Disease	139	3	0 - 10	156	1	1 - 6
Urologic Disease	112	2	0 - 10	100	3	0 - 18

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	219
Occupancy Rate (%):	71
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	103
Percent of Physicians Who Are Board Certified Specialists:	80
Interns and Residents:	0
Registered Nurses:	172
Licensed Practical Nurses:	47

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MERCY MEDICAL CENTER

A MEMBER OF MINISTRY CORPORATION
SISTERS OF THE SORROWFUL MOTHER

October 18, 1988

Health Standards and Quality Bureau
Health Care Financing Administration
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Mrs. Kappert:

Mercy Medical Center places the highest importance on its quality of care. The hospital, working with its Medical Staff and Board of Directors, has developed a Quality Assurance Program which meets all of the standards of the Joint Commission on Accreditation of Healthcare Organizations. This program provides for continuous monitoring and evaluation of patient care services, including a review process for all hospital deaths regardless of source of payment.

The HCFA data for 1986 indicate that a total of 220 of the 2,200 Medicare patients in the study, who were admitted to this institution, expired within 30 days of admission. Of these, approximately 24% expired after discharge. The calculated mortality rate of 10% for Mercy Medical Center was at the low end of HCFA's "Predicted Mortality Range" of 10-16%.

Similarly, for 1987, the data indicate that a total of 236 of 2,143 Medicare patients in the study, admitted to this institution, expired within 30 days of admission. This year approximately 22% expired after discharge. Mercy Medical Center's calculated mortality rate of 11% was, again, at the low end of the "Predicted Mortality Range" of 10-14%.

Mercy Medical Center's records indicate a substantially greater number of Medicare patient admissions, presumably reflecting multiple admissions of individuals. Our medical records do not contain information related to deaths occuring after discharge. Therefore, the hospital cannot verify whether or not any such patients were, in fact, alive within the time limitation of this study or verify whether the actual cause of death was related to the reason for the hospitalization. We were, however, able to ascertain, through a review of records, that there were 3 instances in which the stated "Date of Death" was inconsistent with our records and 1 instance in which the admission listed for the patient was not the last admission to this institution during 1987.

Mercy Medical Center continues to be concerned that, upon publication, more emphasis may be placed on the specific numbers than is actually waranted. This is more likely to occur if appropriate and understandable information, relative to study design and limitations, is not provided.

The factors which lead us to this viewpoint include the following:

a. The study adjustments may or may not have incorporated all the significant variables, such as the acuity of patients admitted to individual hospitals. In addition, the validity and reliability of this study methodology remain unproven.
b. Some diagnostic categories (especially the "low-risk" categories) are subject to misinterpretation unless the reader is aware that, in the current environment, few patients are admitted for such care (unless they also have other significant disease processes which, in turn, increases their risk). Rather, they are treated in an outpatient setting.
c. Comparison of specific rates between institutions, especially if the differences are small, will not reflect or detect any significant difference in the quality of care provided. Any of a number of factors could reasonably account for such differences.

Relative to the Hospital Characteristics data provided, there would appear to be some inconsistencies between the HCFA information provided and our records. While we understand that these will be corrected prior to publication, Mercy Medical Center notes that:

a. It is a 215 bed institution, rather than 105. Based upon that capacity, the occupancy rate was 73% as stated.
b. In terms of specialty services, Mercy Medical Center does have a combined Coronary/Intensive Care Unit rather than a separate and distinct Coronary Care Unit.
c. Hospice services are provided by the hospital to its patients.
d. Despite a telephone call to HCFA and a number of attempts to manipulate the numbers ourselves, we have been unable to determine the methodology used to calculate the numbers "Registered Nurses per Bed" or "Licensed Practical Nurses per Bed." Without access to the methodology (which your office was disinclined to release pending correction of the numbers), Mercy Medical Center is unable to verify the accuracy of the figures published.

In summary, Mercy Medical Center believes that this mortality information may serve as a broad indicator and as the basis for further, specifically focused evaluation by the hospital and its medical staff as warranted. However, in its current state, this information is not a direct and conclusive indication of actual institutional performance or quality of care. Moreover, the study may be subject to misinterpretation regarding the quality and outcomes of medical care.

Sincerely,

Joseph P. Ross
President

MERITER HOSPITAL, INC.

202 S PARK ST
MADISON, WI 53715

Medicare Hospital Provider Number: 520089

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,226	9	8 - 12	2,243	8	8 - 12
Cancer	93	40	28 - 52	85	33	28 - 52
Cerebrovascular Accidents	87	33	17 - 39	86	20	19 - 38
Gastrointestinal Catastrophes	26	38	19 - 59	19	21	19 - 59
Infectious Disease	18	28	14 - 57	15	13	9 - 50
Metabolic/Electrolyte Disorders	16	25	10 - 55	20	0	10 - 35
Pulmonary Disease	66	26	15 - 38	65	20	14 - 36
Renal Failure	4	25	11 - 87	4	50	7 - 86
Severe Acute Heart Disease	60	43	30 - 57	82	44	32 - 55
Severe Chronic Heart Disease	61	15	14 - 34	57	21	13 - 35
Severe Trauma	7	43	4 - 72	10	20	6 - 61
Gastrointestinal Disease	141	1	2 - 7	155	1	1 - 6
Gynecologic Disease	31	0	0 -100	28	0	0 -100
Low-Risk Heart Disease	191	2	2 - 6	163	4	1 - 9
Musculoskeletal/Skin Conditions	347	1	1 - 5	303	2	1 - 5
Neuropsychiatric/Sensory Disease	180	0	1 - 5	183	1	0 - 6
Urologic Disease	112	1	0 - 11	100	1	0 - 12

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1984

Total Beds (#): 462
Ownership/Control: Private, Non-profit

STAFFING

Interns and Residents: 37
Registered Nurses: 348
Licensed Practical Nurses: 9

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

METHODIST HOSPITAL

309 WEST WASHINGTON AVENUE
MADISON, WI 53703

Medicare Hospital Provider Number: 520043

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,421	9	8 - 13	1,610	9	8 - 12
Cancer	33	36	26 - 61	46	30	23 - 52
Cerebrovascular Accidents	43	26	14 - 41	45	22	14 - 40
Gastrointestinal Catastrophes	10	50	10 - 67	14	50	13 - 64
Infectious Disease	12	33	17 - 68	9	11	15 - 64
Metabolic/Electrolyte Disorders	20	5	9 - 40	22	23	7 - 47
Pulmonary Disease	44	23	13 - 40	50	28	12 - 40
Renal Failure	10	30	13 - 75	8	63	12 - 79
Severe Acute Heart Disease	55	27	24 - 49	57	32	28 - 54
Severe Chronic Heart Disease	63	33	12 - 36	67	22	15 - 36
Severe Trauma	0	-	-	3	33	2 - 87
Gastrointestinal Disease	82	4	1 - 13	86	2	1 - 11
Gynecologic Disease	22	0	0 -100	24	0	0 -100
Low-Risk Heart Disease	241	2	2 - 7	259	4	2 - 8
Musculoskeletal/Skin Conditions	149	2	1 - 8	166	0	1 - 4
Neuropsychiatric/Sensory Disease	76	3	0 - 18	93	1	0 - 11
Urologic Disease	116	0	0 - 7	128	0	0 - 6

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1984

Total Beds (#): 280
Ownership/Control: Church

STAFFING

Interns and Residents: 8
Registered Nurses: 208
Licensed Practical Nurses: 28

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

MILWAUKEE COUNTY MEDICAL COMPLEX
8700 W WISCONSIN AVE
WAUWAUTOSA, WI 53226

Medicare Hospital Provider Number: 520174

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,704	12	8 - 12	1,532	11	9 - 13
Cancer	56	36	29 - 57	69	46	34 - 61
Cerebrovascular Accidents	12	75	14 - 62	3	67	1 - 87
Gastrointestinal Catastrophes	13	46	8 - 61	9	44	11 - 70
Infectious Disease	19	47	15 - 59	20	45	19 - 62
Metabolic/Electrolyte Disorders	24	29	11 - 51	15	27	5 - 54
Pulmonary Disease	42	31	15 - 45	44	36	13 - 43
Renal Failure	4	25	11 - 87	4	50	15 - 94
Severe Acute Heart Disease	69	52	25 - 50	80	56	28 - 52
Severe Chronic Heart Disease	57	21	12 - 35	68	22	14 - 35
Severe Trauma	4	0	3 - 72	4	25	0 - 87
Gastrointestinal Disease	48	0	1 - 11	32	3	0 - 36
Gynecologic Disease	9	11	0 -100	13	0	0 -100
Low-Risk Heart Disease	210	8	2 - 10	235	3	2 - 7
Musculoskeletal/Skin Conditions	172	2	0 - 8	121	1	0 - 7
Neuropsychiatric/Sensory Disease	325	1	1 - 6	292	0	1 - 5
Urologic Disease	1	0	0 -100	3	0	0 - 94

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	318
Occupancy Rate (%):	72
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	393
Percent of Physicians Who Are Board Certified Specialists:	85
Interns and Residents:	0
Registered Nurses:	494
Licensed Practical Nurses:	49

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

MILWAUKEE COUNTY
MEDICAL COMPLEX

8700 West Wisconsin Avenue Milwaukee, WI 53226 414-257-5936

William I. Jenkins, FACHE
Hospital Administrator

October 26, 1988

William L. Roper, M.D.
Administrator
Health Care Financing Administration
Health Standards & Quality Bureau, HCFA
2-D-2 Meadows Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Dr. Roper:

Before responding specifically to the 1987 HCFA Mortality Data, we must express our continuing concern over the release, to the general public, of hospital mortality information in its present form. Even with the attempts by HCFA to clarify the intent of this report, there is the underlying and misleading inference that it is somehow descriptive of the quality of care in hospitals.

As was described in our letter of October 28, 1987, the Milwaukee County Medical Complex is a major teaching hospital providing tertiary referral care in southeastern Wisconsin. For critically ill or seriously injured persons, the Hospital serves the entire state, the upper peninsula of Michigan, and northern Illinois through its Flight for Life Helicopter/Emergency Medical Aero-Evac System. Further, the hospital serves as a base for Milwaukee County's Paramedic System, with its communication center providing physician direction to Paramedic Services in throughout Milwaukee County. The incorporation of this information into the body of this report is essential in understanding our response to the publication by HCFA of the 1987 Mortality Data, as it provides some insight into the acuity level of patients referred to our hospital for care.

MCMC notes that its experienced mortality is within the predicted range of expected mortality in 14 of the 16 diagnostic categories established in the HCFA model. In two of those sixteen diagnostic categories used by HCFA, Severe Acute Heart Disease and Cerebral Vascular Accidents, Milwaukee County Medical Complex's actual mortality rate falls slightly outside of the range predicted by the model utilized by HCFA to calculate hospital mortality rates and ranges.

We have reviewed the records of those deceased patients in both groups. Of those patients who were grouped into the high risk category of cerebral vascular accident, nine of the twelve discharged from MCMC in 1987 died within 30 days of admission, giving us an actual mortality rate of 75%. The HCFA predicted range for this category is 14% to 62%. Our reviewers determined that in all nine cases, death was a likely outcome. Three patients had been transferred from other hospitals to our facility. One of these patients had an intracranial hemorrhage due to a relapse of acute myelogenous leukemia with severe thrombocytopenia and expired within five hours of admission. The other two patients also experienced complications not considered in the HCFA model. One patient was found comatose at home, resuscitated in the field, and transported by the paramedics to MCMC where he was diagnosed as a pulseless, non-breather on admission. One patient died after discharge to a nursing home. We have no information on the cause of death of this patient, however our reviewer noted that the patient had a long history of chronic health problems, including a previous CVA and deteriorating health during the three months prior to admission to MCMC.

We also examined the records of patients who were grouped into the high risk category of severe acute heart disease. Of the 69 patients discharged in 1987 from MCMC, 36 died within 30 days of admission giving us an actual mortality rate of 52%. The HCFA model predicted range for this category is 25% to 50% mortality. Of significance in this group of patients is the fact that a high number admitted to MCMC were pulseless, non-breathers, transported to MCMC by the paramedic system after resuscitation in the field. Fifteen patients, who subsequently died, were diagnosed as pulseless, non-breathers on admission.

The HCFA model cannot adjust for severity factors such as those noted above and, therefore, cannot take into account the differences between Milwaukee County Medical Complex and other hospitals who render care to patients who are less acutely ill on admission. For instance, if we were to remove the 15 pulseless, non-breather patients from the severe heart disease high risk category and recalculate our mortality rate, our actual mortality rate would be 30% and well within the predicted range calculated by the HCFA model.

Space does not permit, nor has HCFA suggested a detailed accounting of each case, however we would also add to our examination of records of patients with severe acute heart disease that nine of the patients were transferred to the hospital from other hospitals and were critically ill upon admission. Once again our reviewers noted that these patients presented complications not considered in the HCFA model.

We have elected not to use the HCFA Medicare Mortality Predictor System, since HCFA has advised that the model may not be useful in responding to the data. Our response therefore is based on a detailed review of the medical records of patients in the aforementioned categories.

We must also point out another major concern: that several significant items identified in the Hospital Characteristics section of the Mortality Information report are substantially inaccurate. Specifically, number of beds, number of physicians and percent of physicians who are board certified specialists. All these are reported by HCFA as being much lower than they were reported by MCMC to AHA for this reporting period. In addition, we reported our organ transplant service, which is not recognized in the HCFA report. These omissions and inaccuracies raise questions about the quality of the data from which the predictions were made and about the accuracy of the conclusions reached.

Having completed this examination, we are confident that the care provided these patients was appropriate. It is our contention that data from the present statistical model cannot be interpreted as a valid indicator of quality. We encourage HCFA to continue efforts to explain to the public the severe limitations of its reports.

Sincerely,

William Jenkins

William I. Jenkins, FACHE
Hospital Administrator

MYRTLE WERTH MEDICAL CENTER

2321 STOUT RD
MENOMONIE, WI 54751

Medicare Hospital Provider Number: 520003

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	544	13	10 - 17	555	10	10 - 16
Cancer	16	38	15 - 62	6	33	19 - 84
Cerebrovascular Accidents	15	20	10 - 52	17	6	17 - 47
Gastrointestinal Catastrophes	7	43	8 - 73	4	25	3 - 80
Infectious Disease	8	13	8 - 61	3	0	4 - 79
Metabolic/Electrolyte Disorders	14	7	3 - 45	23	0	10 - 34
Pulmonary Disease	27	37	11 - 48	26	31	12 - 49
Renal Failure	4	100	14 - 82	3	100	9 - 85
Severe Acute Heart Disease	41	29	24 - 53	45	40	26 - 55
Severe Chronic Heart Disease	41	27	13 - 41	40	20	13 - 39
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	43	2	0 - 20	38	0	0 - 21
Gynecologic Disease	6	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	59	7	0 - 25	62	5	0 - 19
Musculoskeletal/Skin Conditions	52	4	0 - 44	66	0	1 - 9
Neuropsychiatric/Sensory Disease	11	9	0 - 98	7	0	0 -100
Urologic Disease	15	7	0 - 84	20	0	0 - 78

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 63
Occupancy Rate (%): 37
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 47
Percent of Physicians Who Are Board Certified Specialists: 66
Interns and Residents: 0
Registered Nurses: 42
Licensed Practical Nurses: 14

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

NEW BERLIN MEMORIAL HOSPITAL

13750 WEST NATIONAL AVENUE
NEW BERLIN, WI 53151

Medicare Hospital Provider Number: 520167

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	361	11	8 - 15	413	11	8 - 15
Cancer	7	43	10 - 74	8	50	16 - 77
Cerebrovascular Accidents	14	43	15 - 63	13	38	9 - 59
Gastrointestinal Catastrophes	3	0	12 - 85	1	0	0 - 97
Infectious Disease	9	44	16 - 75	8	38	9 - 71
Metabolic/Electrolyte Disorders	6	0	4 - 59	7	43	13 - 77
Pulmonary Disease	24	33	10 - 49	15	47	9 - 58
Renal Failure	0	-	-	2	50	1 - 93
Severe Acute Heart Disease	6	50	11 - 78	11	36	21 - 74
Severe Chronic Heart Disease	15	13	11 - 49	16	25	9 - 52
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	26	0	0 - 26	35	0	0 - 23
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	45	4	0 - 23	29	3	0 - 41
Musculoskeletal/Skin Conditions	67	1	0 - 18	70	0	0 - 9
Neuropsychiatric/Sensory Disease	7	0	0 -100	8	0	0 -100
Urologic Disease	17	0	0 -100	19	0	0 - 74

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	82
Occupancy Rate (%):	33
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	45
Percent of Physicians Who Are Board Certified Specialists:	58
Interns and Residents:	0
Registered Nurses:	45
Licensed Practical Nurses:	13

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

NEW LONDON FAMILY MEDICAL CENTER, IN

1405 MILL ST
NEW LONDON, WI 54961

Medicare Hospital Provider Number: 520053

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	358	13	9 - 17	386	10	11 - 18
Cancer	6	17	10 - 72	9	33	20 - 77
Cerebrovascular Accidents	16	19	10 - 50	25	32	18 - 54
Gastrointestinal Catastrophes	4	25	7 - 81	3	67	3 - 86
Infectious Disease	5	40	7 - 79	6	50	14 - 81
Metabolic/Electrolyte Disorders	17	29	12 - 57	15	7	10 - 47
Pulmonary Disease	23	22	10 - 46	23	22	13 - 48
Renal Failure	3	67	4 - 88	0	-	-
Severe Acute Heart Disease	10	40	15 - 70	17	24	22 - 63
Severe Chronic Heart Disease	25	28	9 - 45	29	21	10 - 41
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	29	7	0 - 52	25	0	0 - 45
Gynecologic Disease	4	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	34	3	0 - 29	34	0	1 - 15
Musculoskeletal/Skin Conditions	34	9	0 - 64	31	0	0 - 23
Neuropsychiatric/Sensory Disease	7	14	0 -100	8	13	0 -100
Urologic Disease	26	0	0 - 34	23	4	0 - 89

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	52
Occupancy Rate (%):	44
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	13
Percent of Physicians Who Are Board Certified Specialists:	77
Interns and Residents:	0
Registered Nurses:	24
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

NORTHWEST GENERAL HOSPITAL

5310 W CAPITOL DR
MILWAUKEE, WI 53216

Medicare Hospital Provider Number: 520145

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	358	10	9 - 16	364	14	8 - 16
Cancer	13	62	18 - 68	7	86	13 - 69
Cerebrovascular Accidents	15	20	9 - 51	11	27	10 - 61
Gastrointestinal Catastrophes	3	33	5 - 87	3	67	8 - 89
Infectious Disease	6	33	7 - 74	10	50	21 - 78
Metabolic/Electrolyte Disorders	10	10	10 - 57	5	80	8 - 76
Pulmonary Disease	27	26	15 - 49	16	25	7 - 51
Renal Failure	6	33	5 - 77	3	67	10 - 92
Severe Acute Heart Disease	3	0	4 - 79	5	20	8 - 75
Severe Chronic Heart Disease	25	20	8 - 41	24	33	10 - 48
Severe Trauma	1	0	1 - 97	0	-	-
Gastrointestinal Disease	23	0	0 - 27	31	3	0 - 27
Gynecologic Disease	4	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	60	2	1 - 13	46	0	1 - 11
Musculoskeletal/Skin Conditions	31	3	0 - 53	59	3	0 - 26
Neuropsychiatric/Sensory Disease	8	0	0 -100	9	0	0 -100
Urologic Disease	14	0	0 - 92	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	130
Occupancy Rate (%):	31
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	49
Percent of Physicians Who Are Board Certified Specialists:	47
Interns and Residents:	9
Registered Nurses:	55
Licensed Practical Nurses:	19

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

NORTHWOODS HOSPITAL

HIGHWAY 17, PO BOX 26
PHELPS, WI 54554

Medicare Hospital Provider Number: 520120

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	123	10	9 - 20	114	6	9 - 19
Cancer	1	0	0 - 98	2	50	4 - 92
Cerebrovascular Accidents	3	67	1 - 88	5	0	3 - 64
Gastrointestinal Catastrophes	1	100	0 - 99	1	0	0 - 99
Infectious Disease	2	0	3 - 88	0	-	-
Metabolic/Electrolyte Disorders	5	20	1 - 77	2	0	0 - 96
Pulmonary Disease	20	5	13 - 40	13	8	11 - 48
Renal Failure	1	100	1 -100	0	-	-
Severe Acute Heart Disease	7	14	17 - 72	5	40	11 - 82
Severe Chronic Heart Disease	3	0	6 - 79	10	10	12 - 56
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	7	0	0 -100	9	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	14	0	0 - 68	14	0	0 - 72
Musculoskeletal/Skin Conditions	15	13	0 - 97	6	0	0 -100
Neuropsychiatric/Sensory Disease	5	0	0 -100	4	0	0 -100
Urologic Disease	0	-	-	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

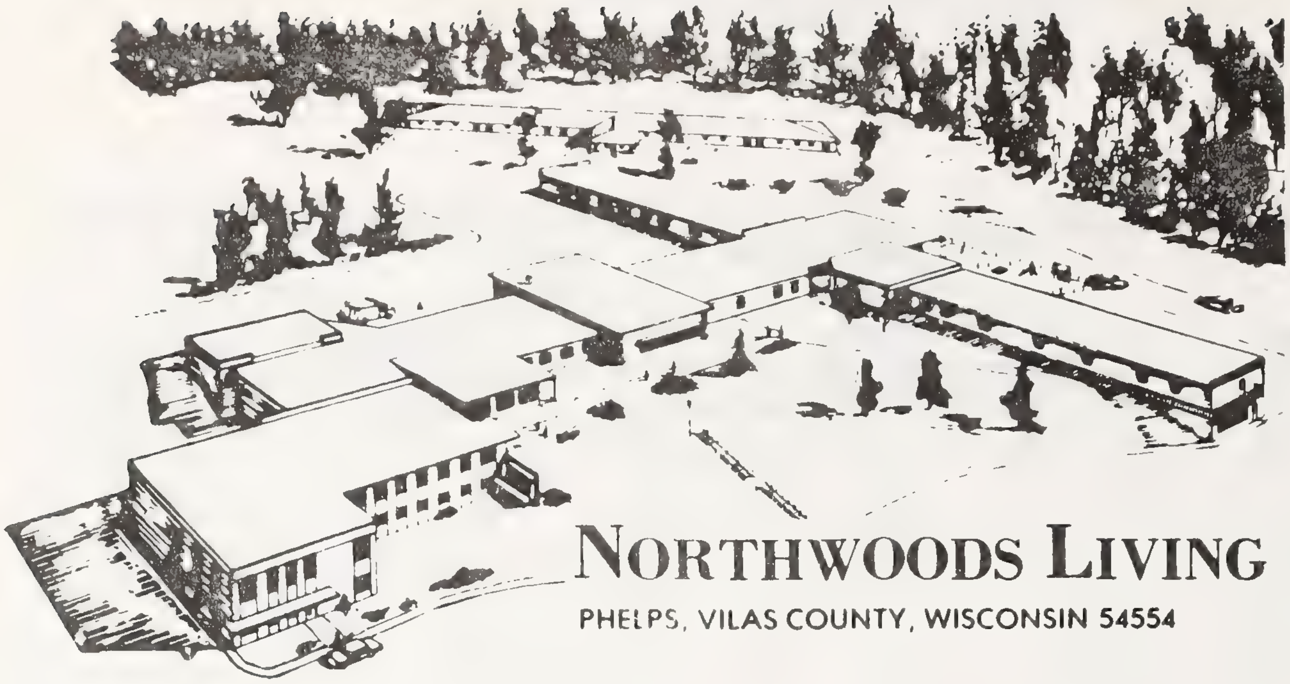
Total Beds (#):	99
Occupancy Rate (%):	86
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	6
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No



NORTHWOODS HOSPITAL
CLINIC – PHARMACY
LILLIAN E. KERR
NURSING HOME
DEMMER DAY CARE CENTER
SENIOR CITIZENS
NORTHWOODS VILLAGE

NORTHWOODS LIVING CARE CENTER
PHELPS, VILAS COUNTY, WISCONSIN 54554 715-545-2313

October 5, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Gentlemen:

We have received the latest statistics which will appear in the publication entitled Medicare Hospital Mortality Information. We feel it is important for the reader to understand that when a statistical measure is applied to a relatively small population of patients such as we serve, that the range for predicted mortality becomes meaningless due to low confidence interval levels of a small group size. The reader will note the very large range which results.

The reader should also be aware that the hospital is a combined facility with an eighty-one (81) bed nursing home. Many residents of the home are placed there by their families for the remainder of their life. This results in the facilty functioning as a form of a hospice. This may also have an impact on the facility mortality rate.

Any reader curious about the above statements or other questions about these statistics should feel free to contact the facility to discuss in greater detail any questions they may have.

Sincerely,

Curtis A. Johnson, Administrator

CAJ/jv

OCONTO MEMORIAL HOSPITAL INC

405 1ST ST
OCONTO, WI 54153

Medicare Hospital Provider Number: 520077

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	144	23	11 - 25	138	20	11 - 25
Cancer	2	100	5 - 89	5	60	11 - 82
Cerebrovascular Accidents	7	29	6 - 69	8	25	11 - 68
Gastrointestinal Catastrophes	3	67	3 - 86	1	0	1 - 97
Infectious Disease	7	43	8 - 72	3	0	7 - 80
Metabolic/Electrolyte Disorders	1	0	3 -100	1	0	0 -100
Pulmonary Disease	15	47	13 - 61	19	58	19 - 62
Renal Failure	4	50	12 - 90	1	0	3 - 98
Severe Acute Heart Disease	12	33	18 - 68	8	38	13 - 73
Severe Chronic Heart Disease	5	40	3 - 77	6	17	9 - 70
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	18	6	0 - 90	12	17	0 - 68
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	16	13	0 - 80	20	5	0 - 85
Musculoskeletal/Skin Conditions	9	0	0 - 95	17	0	0 - 97
Neuropsychiatric/Sensory Disease	5	0	0 -100	6	0	0 -100
Urologic Disease	0	-	-	2	50	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	30
Occupancy Rate (%):	23
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	17
Percent of Physicians Who Are Board Certified Specialists:	18
Interns and Residents:	0
Registered Nurses:	11
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

OSSEO AREA MUNICIPAL HOSPITAL

674 EAST 8TH STREET
OSSEO, WI 54758

Medicare Hospital Provider Number: 520118

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	174	10	7 - 17	196	13	8 - 18
Cancer	2	50	6 - 94	5	60	14 - 85
Cerebrovascular Accidents	7	57	8 - 72	10	50	7 - 64
Gastrointestinal Catastrophes	0	-	-	2	0	4 - 89
Infectious Disease	1	0	2 - 97	3	33	6 - 87
Metabolic/Electrolyte Disorders	3	0	5 - 79	5	20	2 - 76
Pulmonary Disease	15	20	10 - 52	5	20	0 - 85
Renal Failure	0	-	-	2	50	5 - 94
Severe Acute Heart Disease	6	67	10 - 76	11	45	16 - 70
Severe Chronic Heart Disease	7	29	5 - 68	13	23	6 - 54
Severe Trauma	1	100	0 - 98	1	0	1 - 97
Gastrointestinal Disease	15	7	0 - 93	17	0	0 - 48
Gynecologic Disease	2	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	27	0	1 - 20	35	0	1 - 15
Musculoskeletal/Skin Conditions	32	3	0 - 34	28	4	0 - 52
Neuropsychiatric/Sensory Disease	3	0	0 -100	7	0	0 -100
Urologic Disease	7	0	0 -100	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	128
Occupancy Rate (%):	53
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	57
Interns and Residents:	0
Registered Nurses:	13
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

PRAIRIE DU CHIEN MEMORIAL HOSPITAL

705 EAST TAYLOR STREET
PRAIRIE DU CHIEN, WI 53821

Medicare Hospital Provider Number: 520134

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	441	15	11 - 19	488	14	11 - 18
Cancer	8	88	25 - 77	8	63	13 - 74
Cerebrovascular Accidents	12	42	7 - 60	23	13	15 - 45
Gastrointestinal Catastrophes	3	100	7 - 80	4	100	16 - 79
Infectious Disease	1	0	1 - 97	4	25	11 - 84
Metabolic/Electrolyte Disorders	9	22	5 - 62	8	13	8 - 62
Pulmonary Disease	51	29	18 - 44	61	23	17 - 41
Renal Failure	1	0	0 - 98	2	50	4 - 93
Severe Acute Heart Disease	26	42	29 - 66	21	43	28 - 69
Severe Chronic Heart Disease	32	22	14 - 43	33	33	11 - 44
Severe Trauma	0	-	-	1	0	0 - 98
Gastrointestinal Disease	34	0	0 - 18	39	5	0 - 33
Gynecologic Disease	2	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	64	2	1 - 11	60	5	1 - 18
Musculoskeletal/Skin Conditions	37	0	0 - 18	34	3	0 - 41
Neuropsychiatric/Sensory Disease	10	10	0 -100	13	8	0 - 96
Urologic Disease	8	0	0 -100	17	0	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	33
Occupancy Rate (%):	56
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	11
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	24
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	Yes

REEDSBURG MEMORIAL HOSPITAL INC

2000 NORTH DEWEY AVENUE
REEDSBURG, WI 53959

Medicare Hospital Provider Number: 520042

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	366	10	8 - 15	388	13	9 - 16
Cancer	6	83	22 - 82	5	40	13 - 84
Cerebrovascular Accidents	14	14	11 - 51	19	26	12 - 52
Gastrointestinal Catastrophes	4	0	10 - 74	4	0	10 - 74
Infectious Disease	6	50	13 - 81	6	67	15 - 81
Metabolic/Electrolyte Disorders	11	18	2 - 58	10	10	1 - 59
Pulmonary Disease	17	24	12 - 53	32	22	13 - 44
Renal Failure	2	50	6 - 95	0	-	-
Severe Acute Heart Disease	15	33	19 - 65	11	64	17 - 70
Severe Chronic Heart Disease	23	9	11 - 38	21	19	10 - 45
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	37	0	0 - 20	31	0	0 - 22
Gynecologic Disease	1	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	32	6	0 - 34	32	3	0 - 30
Musculoskeletal/Skin Conditions	55	2	0 - 23	47	0	0 - 16
Neuropsychiatric/Sensory Disease	9	11	0 - 91	11	9	0 -100
Urologic Disease	23	0	0 - 98	13	8	0 - 97

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	119
Occupancy Rate (%):	66
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	15
Percent of Physicians Who Are Board Certified Specialists:	60
Interns and Residents:	0
Registered Nurses:	34
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

RICHLAND HOSPITAL

431 N PARK ST
RICHLAND CENTER, WI 53581

Medicare Hospital Provider Number: 520117

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	460	15	10 - 17	452	12	11 - 18
Cancer	14	93	37 - 72	13	69	22 - 71
Cerebrovascular Accidents	27	33	13 - 49	25	28	14 - 50
Gastrointestinal Catastrophes	1	0	0 - 98	2	0	1 - 89
Infectious Disease	2	50	4 - 93	8	25	12 - 70
Metabolic/Electrolyte Disorders	5	20	4 - 74	16	6	10 - 45
Pulmonary Disease	24	17	11 - 44	44	16	14 - 39
Renal Failure	2	100	9 - 93	2	50	6 - 95
Severe Acute Heart Disease	24	38	22 - 61	19	42	19 - 62
Severe Chronic Heart Disease	37	32	12 - 42	30	20	15 - 45
Severe Trauma	1	0	0 - 97	0	-	-
Gastrointestinal Disease	31	3	0 - 39	34	0	1 - 16
Gynecologic Disease	3	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	38	3	0 - 22	27	4	0 - 51
Musculoskeletal/Skin Conditions	44	5	0 - 42	49	0	0 - 13
Neuropsychiatric/Sensory Disease	20	0	0 - 55	11	0	0 -100
Urologic Disease	25	0	0 - 51	28	0	0 - 51

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	42
Occupancy Rate (%):	48
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	13
Percent of Physicians Who Are Board Certified Specialists:	85
Interns and Residents:	0
Registered Nurses:	39
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

RIPON MEMORIAL HOSPITAL INC

933 NEWBURY ST
RIPON, WI 54971

Medicare Hospital Provider Number: 520090

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	328	15	8 - 17	368	11	11 - 19
Cancer	4	100	13 - 76	10	40	15 - 71
Cerebrovascular Accidents	15	33	9 - 56	13	8	15 - 51
Gastrointestinal Catastrophes	4	25	6 - 81	0	-	-
Infectious Disease	3	33	3 - 86	5	60	6 - 78
Metabolic/Electrolyte Disorders	5	0	3 - 64	5	0	1 - 68
Pulmonary Disease	35	29	15 - 46	44	18	18 - 44
Renal Failure	0	-	-	1	100	0 -100
Severe Acute Heart Disease	8	63	13 - 73	18	56	26 - 70
Severe Chronic Heart Disease	19	16	11 - 46	30	23	10 - 42
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	44	0	1 - 12	41	5	0 - 26
Gynecologic Disease	11	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	34	6	0 - 46	30	3	0 - 36
Musculoskeletal/Skin Conditions	28	4	0 - 52	31	0	0 - 21
Neuropsychiatric/Sensory Disease	9	22	0 -100	4	0	0 -100
Urologic Disease	13	0	0 - 98	13	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	40
Occupancy Rate (%):	40
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	44
Percent of Physicians Who Are Board Certified Specialists:	91
Interns and Residents:	0
Registered Nurses:	30
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

RIVER FALLS AREA HOSP

550 N MAIN
RIVER FALLS, WI 54022

Medicare Hospital Provider Number: 520010

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	271	14	9 - 18	247	16	8 - 18
Cancer	2	100	3 - 88	5	80	16 - 83
Cerebrovascular Accidents	8	13	13 - 64	16	44	9 - 56
Gastrointestinal Catastrophes	2	0	1 - 90	1	0	0 - 99
Infectious Disease	3	67	14 - 97	3	67	6 - 87
Metabolic/Electrolyte Disorders	5	0	5 - 64	1	100	1 - 97
Pulmonary Disease	25	28	14 - 50	12	8	9 - 49
Renal Failure	2	50	5 - 94	1	100	0 -100
Severe Acute Heart Disease	15	33	16 - 62	10	30	18 - 71
Severe Chronic Heart Disease	12	50	5 - 60	15	40	9 - 57
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	26	0	0 - 36	23	0	0 - 32
Gynecologic Disease	3	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	27	7	0 - 56	21	0	0 - 34
Musculoskeletal/Skin Conditions	36	3	0 - 52	27	7	0 - 99
Neuropsychiatric/Sensory Disease	7	0	0 -100	6	0	0 - 99
Urologic Disease	8	0	0 -100	8	0	0 - 97

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	105
Occupancy Rate (%):	72
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	16
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	0
Licensed Practical Nurses:	19

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

RIVERSIDE COMM MEM HOSP

800 RIVERSIDE DR
WAUPACA, WI 54981

Medicare Hospital Provider Number: 520154

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	626	18	11 - 18	724	19	11 - 18
Cancer	10	80	23 - 73	14	64	24 - 72
Cerebrovascular Accidents	33	36	13 - 46	25	28	13 - 49
Gastrointestinal Catastrophes	4	50	4 - 82	5	20	5 - 74
Infectious Disease	8	25	10 - 69	8	13	15 - 67
Metabolic/Electrolyte Disorders	14	50	10 - 61	15	20	8 - 53
Pulmonary Disease	92	23	17 - 37	101	34	17 - 38
Renal Failure	3	67	3 - 87	3	100	4 - 82
Severe Acute Heart Disease	21	43	25 - 66	24	46	22 - 61
Severe Chronic Heart Disease	39	26	12 - 40	45	33	12 - 41
Severe Trauma	1	0	0 - 98	1	100	0 - 98
Gastrointestinal Disease	39	5	1 - 24	49	8	0 - 28
Gynecologic Disease	4	25	0 -100	2	0	0 -100
Low-Risk Heart Disease	38	0	1 - 14	73	4	1 - 14
Musculoskeletal/Skin Conditions	65	8	0 - 35	65	5	0 - 19
Neuropsychiatric/Sensory Disease	15	0	0 - 66	22	0	0 - 72
Urologic Disease	30	3	0 - 74	42	2	0 - 30

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 48
Occupancy Rate (%): 40
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 17
Percent of Physicians Who Are Board Certified Specialists: 94
Interns and Residents: 0
Registered Nurses: 39
Licensed Practical Nurses: 15

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

Riverside Medical Center

800 RIVERSIDE DRIVE

WAUPACA, WISCONSIN 54981

PHONE: 715-258-1000

September 30, 1988

Social Security Administration
Medicare Division

RE: Mortality Statistics of Riverside Medical Center

Dear Sirs:

I am writing this letter to inform you of several unique features of Riverside Medical Center which add perspective to the figures which you are in the process of publishing.

As you are aware, our actual mortality rate for the calendar year, 1987, was within the range predicted for mortality. We, the Medical Staff at Riverside Medical Center, feel that after reviewing these statistics, we find them to be accurate for the most part and to reflect our experience here. If, as you contend, mortality statistics are measure of quality, then we feel that we must have very good quality indeed.

Riverside Medical Center is a general community hospital in a small city of Waupaca, WI which serves an area which is very high, not only in geriatric patients, but also in nursing home patients. There are over 1,000 nursing home beds in our area which feeds patients to Riverside Medical Center. As a result, we have five times as many patients discharged to nursing homes when compared to the State of Wisconsin average. Riverside Medical Center's average is 25.86% versus 4.94% as a state average. In addition, there is no Hospice in Waupaca, nor is there a Hospice Home-Care. Therefore Riverside Medical Center also serves as a hospice for terminal cancer patients in a number of cases. For these reasons, and the following, we would expect our death rate to be much higher than was reported by you.

Additional information which we feel we should be aware of is that 16.3% of our Medicare patients are over 90 years of age, nearly 50% were over 80 years of age. This group accounted for 55% of the Medicare deaths. Note also that the patients under 70 years of age accounted for only 8% of the Medicare deaths. It is our understanding that in this hospital compared to other hospitals, a much greater population of our Medicare patients are of an extreme advanced age and also of multiple major medical problems.

For the above reasons, we wish it to be known to anyone reading your statistical analyses that these unique features of our hospital and its Medicare population need to be taken into account. We appreciate your solicitation of our comments. Enclosed please find also figures verifying this statistical information which is alluded to above.

Sincerely yours,

D Mark Lochner MD

D.Mark Lochner, M.D.

DL/bs

RIVERVIEW HOSPITAL

410 DEWEY STREET
WISCONSIN RAPIDS, WI 54494

Medicare Hospital Provider Number: 520033

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	778	11	10 - 15	758	14	10 - 16
Cancer	7	43	7 - 72	12	67	17 - 68
Cerebrovascular Accidents	48	38	17 - 45	36	36	18 - 50
Gastrointestinal Catastrophes	9	33	12 - 70	8	13	8 - 62
Infectious Disease	13	8	17 - 56	10	10	14 - 60
Metabolic/Electrolyte Disorders	4	25	1 - 84	7	14	4 - 64
Pulmonary Disease	46	22	13 - 40	33	30	13 - 46
Renal Failure	2	50	5 - 94	4	75	9 - 86
Severe Acute Heart Disease	43	30	25 - 54	49	37	27 - 55
Severe Chronic Heart Disease	49	20	14 - 38	59	19	10 - 32
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	61	0	1 - 9	59	3	0 - 22
Gynecologic Disease	10	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	64	0	1 - 8	70	9	1 - 21
Musculoskeletal/Skin Conditions	88	5	0 - 16	77	1	1 - 10
Neuropsychiatric/Sensory Disease	16	0	0 - 79	12	0	0 -100
Urologic Disease	42	0	0 - 55	50	0	0 - 21

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	199
Occupancy Rate (%):	75
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	53
Percent of Physicians Who Are Board Certified Specialists:	58
Interns and Residents:	0
Registered Nurses:	56
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Riverview Hospital Association

Riverview Hospital • Riverview Manor • Medical Office Building

PROVIDERS RESPONSE TO HCFA MORTALITY DATA
RIVERVIEW HOSPITAL ASSOCIATION

Medicare Provider Number: 52-0033
October 19, 1988

The management staff at the Riverview Hospital Association has had an opportunity to preview the mortality data published by the Health Care Financing Administration (HCFA) of the Department of Health & Human Services. While the data they have supplied the Riverview Hospital Association is generally consistent with the hospital's own records, the Association's management staff was not able to exactly duplicate HCFA's report nor were they able to confirm the report based on the data HCFA sent to Riverview

The major discrepancy occurs under the diagnostic category of infectious disease. The HCFA report indicates that the actual mortality rate for the Association is 8%, a rate that is less than the predicted mortality rate for a hospital that has a service mix similar to Riverview. In reviewing the HCFA data, Riverview Hospital concludes that the actual mortality rate should have been 23%, a rate that is within the predicted mortality range for this type of facility.

With this correction, the actual mortality rate for the Riverview Hospital Association falls within expected ranges for all categories in the HCFA analysis. It should be noted, however, that Riverview data identifies 92 deaths in 1987 while the HCFA mortality rate for total cases would equate to 86 deaths. Riverview staff was unable to indentify the cause of this discrepancy.

The Riverview Hospital Association management staff completed additional analysis of the HCFA data to determine if there were any other factors that would suggest whether or not appropriate care was provided to the patients the hospital served. Again, the data suggested that care was appropriate. Of the 92 deaths that the Association identified in the Riverview data, 54 died prior to discharge from the hospital. Of the 38 that died after discharge, 32 had been transferred to a long term care facility, a factor suggesting that these individuals were suffering from a disease or medical condition that left them unable to care for themselves in their own home. Finally, it was also noted that 70% of the 92 individuals who died during 1987 were 75 years of age or older. Many of these individuals had lived a long and hopefully productive life.

Anyone who has any questions regarding this response to the HCFA data can feel free to contact Daniel J. Hymans, Administrator, Riverview Hospital Association, 410 Dewey Street, P.O. Box 8080, Wisconsin Rapids, WI 54495-8080.

DJH:gjc

RUSK CO MEM HOSP

900 COLLEGE AVE WEST
LADYSMITH, WI 54848

Medicare Hospital Provider Number: 520039

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	316	13	10 - 18	368	11	9 - 16
Cancer	8	63	28 - 89	6	50	15 - 82
Cerebrovascular Accidents	8	50	8 - 69	11	27	7 - 59
Gastrointestinal Catastrophes	6	33	17 - 83	2	100	10 - 93
Infectious Disease	1	100	3 - 99	0	-	-
Metabolic/Electrolyte Disorders	6	17	4 - 69	10	20	3 - 60
Pulmonary Disease	23	22	15 - 50	19	16	15 - 50
Renal Failure	0	-	-	2	50	7 - 98
Severe Acute Heart Disease	14	64	21 - 68	26	38	25 - 62
Severe Chronic Heart Disease	22	18	11 - 45	21	19	9 - 45
Severe Trauma	0	-	-	1	0	0 -100
Gastrointestinal Disease	28	0	0 - 34	48	4	0 - 26
Gynecologic Disease	3	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	39	0	1 - 14	38	3	1 - 21
Musculoskeletal/Skin Conditions	29	0	1 - 20	28	0	0 - 31
Neuropsychiatric/Sensory Disease	12	0	0 - 71	17	6	0 - 99
Urologic Disease	12	0	0 - 99	10	0	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	152
Occupancy Rate (%):	83
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SACRED HEART HOSP OF TOMAHAWK INC

216 NORTH 7TH ST
TOMAHAWK, WI 54487

Medicare Hospital Provider Number: 520029

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	202	12	8 - 18	220	16	10 - 20
Cancer	5	80	14 - 81	8	63	22 - 82
Cerebrovascular Accidents	7	29	11 - 72	15	20	11 - 53
Gastrointestinal Catastrophes	0	-	-	2	50	3 - 92
Infectious Disease	3	33	4 - 86	3	33	4 - 86
Metabolic/Electrolyte Disorders	4	25	5 - 80	3	33	0 - 94
Pulmonary Disease	13	46	7 - 59	17	24	9 - 51
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	13	15	20 - 62	11	55	15 - 69
Severe Chronic Heart Disease	16	25	8 - 51	12	33	4 - 58
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	27	7	0 - 60	17	6	0 - 67
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	34	6	0 - 39	24	0	0 - 29
Musculoskeletal/Skin Conditions	8	0	0 -100	6	0	0 - 97
Neuropsychiatric/Sensory Disease	21	0	0 - 60	20	0	0 - 44
Urologic Disease	2	0	0 -100	8	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1984

Total Beds (#):	60
Ownership/Control:	Church

STAFFING

Interns and Residents:	0
Registered Nurses:	30
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SACRED HEART HOSPITAL

900 W CLAIREMONT AVE
EAU CLAIRE, WI 54701

Medicare Hospital Provider Number: 520013

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,170	10	9 - 13	2,177	9	9 - 13
Cancer	103	53	33 - 57	76	55	32 - 58
Cerebrovascular Accidents	130	18	17 - 32	97	23	18 - 36
Gastrointestinal Catastrophes	13	31	13 - 63	12	25	17 - 67
Infectious Disease	20	15	17 - 53	18	22	20 - 61
Metabolic/Electrolyte Disorders	37	11	10 - 38	33	6	9 - 35
Pulmonary Disease	63	24	14 - 38	89	22	15 - 35
Renal Failure	7	29	13 - 79	2	50	6 - 95
Severe Acute Heart Disease	72	29	28 - 51	67	21	28 - 50
Severe Chronic Heart Disease	76	14	18 - 35	72	21	17 - 38
Severe Trauma	5	20	1 - 78	8	13	8 - 63
Gastrointestinal Disease	144	1	1 - 6	138	2	1 - 8
Gynecologic Disease	23	0	0 -100	23	0	0 -100
Low-Risk Heart Disease	206	2	2 - 6	215	2	2 - 6
Musculoskeletal/Skin Conditions	290	2	1 - 6	306	3	1 - 6
Neuropsychiatric/Sensory Disease	228	3	0 - 8	255	3	0 - 7
Urologic Disease	76	3	0 - 17	85	5	1 - 15

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	315
Occupancy Rate (%):	48
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	154
Percent of Physicians Who Are Board Certified Specialists:	84
Interns and Residents:	0
Registered Nurses:	205
Licensed Practical Nurses:	48

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	Yes

SAUK PRAIRIE MEMORIAL HOSP

80 1ST ST
PRAIRIE DU SAC, WI 53578

Medicare Hospital Provider Number: 520095

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	391	6	7 - 13	433	7	7 - 13
Cancer	7	14	10 - 67	13	54	12 - 64
Cerebrovascular Accidents	8	13	8 - 60	15	20	11 - 53
Gastrointestinal Catastrophes	2	0	8 - 92	1	0	3 - 98
Infectious Disease	6	17	8 - 70	8	13	11 - 64
Metabolic/Electrolyte Disorders	5	20	6 - 75	2	50	1 - 93
Pulmonary Disease	21	14	12 - 46	19	21	8 - 47
Renal Failure	1	0	1 - 97	2	0	5 - 90
Severe Acute Heart Disease	10	40	20 - 75	14	21	18 - 62
Severe Chronic Heart Disease	14	21	4 - 51	13	0	9 - 37
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	44	0	1 - 13	36	0	0 - 21
Gynecologic Disease	3	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	19	5	0 - 62	47	2	1 - 15
Musculoskeletal/Skin Conditions	72	1	0 - 15	90	1	0 - 9
Neuropsychiatric/Sensory Disease	4	0	0 -100	13	0	0 -100
Urologic Disease	33	0	0 - 48	13	0	0 - 45

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	50
Occupancy Rate (%):	48
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	16
Percent of Physicians Who Are Board Certified Specialists:	94
Interns and Residents:	0
Registered Nurses:	27
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SHAWANO COMMUNITY HOSPITAL

309 NORTH BARTLETTE STREET
SHAWANO, WI 54166

Medicare Hospital Provider Number: 520092

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	629	12	9 - 15	699	13	9 - 15
Cancer	14	57	22 - 71	22	50	18 - 60
Cerebrovascular Accidents	42	36	14 - 43	31	42	13 - 48
Gastrointestinal Catastrophes	9	56	14 - 73	5	60	11 - 82
Infectious Disease	3	33	4 - 86	7	43	8 - 73
Metabolic/Electrolyte Disorders	14	21	4 - 53	11	27	8 - 62
Pulmonary Disease	23	26	10 - 47	36	17	11 - 39
Renal Failure	2	100	6 - 91	2	50	5 - 94
Severe Acute Heart Disease	21	38	23 - 64	33	39	24 - 58
Severe Chronic Heart Disease	48	17	12 - 35	43	21	12 - 37
Severe Trauma	3	0	6 - 80	2	0	1 - 91
Gastrointestinal Disease	68	1	1 - 12	77	5	0 - 20
Gynecologic Disease	8	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	63	3	1 - 15	63	3	1 - 15
Musculoskeletal/Skin Conditions	36	3	0 - 62	49	4	0 - 28
Neuropsychiatric/Sensory Disease	38	3	0 - 47	26	4	0 - 52
Urologic Disease	36	0	0 - 44	49	2	0 - 26

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	72
Occupancy Rate (%):	35
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	43
Percent of Physicians Who Are Board Certified Specialists:	30
Interns and Residents:	0
Registered Nurses:	50
Licensed Practical Nurses:	21

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SHEBOYGAN MEMORIAL HOSPITAL INC

2629 N 7TH ST
SHEBOYGAN, WI 53081

Medicare Hospital Provider Number: 520035

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,050	11	8 - 13	1,208	12	8 - 13
Cancer	35	49	24 - 59	31	45	20 - 57
Cerebrovascular Accidents	46	33	14 - 42	46	33	14 - 42
Gastrointestinal Catastrophes	8	50	7 - 70	12	50	13 - 66
Infectious Disease	7	29	7 - 70	8	25	11 - 69
Metabolic/Electrolyte Disorders	15	20	8 - 53	8	25	7 - 66
Pulmonary Disease	49	27	14 - 41	64	22	15 - 38
Renal Failure	4	75	7 - 83	2	0	6 - 91
Severe Acute Heart Disease	30	37	21 - 56	34	44	25 - 58
Severe Chronic Heart Disease	40	17	12 - 37	52	21	13 - 36
Severe Trauma	2	100	3 - 88	2	50	2 - 92
Gastrointestinal Disease	72	6	0 - 21	110	4	1 - 11
Gynecologic Disease	7	0	0 -100	12	0	0 -100
Low-Risk Heart Disease	83	7	1 - 18	64	3	1 - 15
Musculoskeletal/Skin Conditions	119	2	0 - 9	105	2	1 - 9
Neuropsychiatric/Sensory Disease	176	4	0 - 15	187	2	1 - 7
Urologic Disease	61	2	0 - 27	66	2	0 - 25

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	130
Occupancy Rate (%):	61
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	99
Percent of Physicians Who Are Board Certified Specialists:	71
Interns and Residents:	0
Registered Nurses:	111
Licensed Practical Nurses:	25

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	Yes

2629 North 7th Street
Sheboygan WI 53083
414 457-5033

Sheboygan
Memorial
Medical Center

Medicare Provider Number: N52-0035

October 17, 1988

Health Standards Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

ATTENTION: Mrs. Sandra Kappert

Dear Mrs. Kappert:

This letter is in response to the data supplied to us regarding 1987 mortality statistics of Sheboygan Memorial Medical Center. Review of the individual case listings upon which this data is built reveals the source information to be correct. Our mortality rates have remained stable and within the predicted ranges for two consecutive years with the exception of the severe trauma category for 1987. You will note this facility had only two Medicare patients included in this category for both years. Such small numbers can result in a wide variance in percentages based on the outcome of a single case. Such was the situation for Sheboygan Memorial Medical Center from 1986 to 1987. Of interest is the fact that if you include all our inpatients with severe trauma as defined for these statistics, the facility's mortality rate is 23% (3 of 13 cases, including the 2 cases previously identified).

Of concern is the accuracy of the hospital characteristics included with the mortality information. At this point in time you have provided 1986 data but indicate 1987 data will be published. Please note that the number of beds for Sheboygan Memorial Medical Center is 205, not 67 as you indicated for 1986. Also the 1986 data indicated this facility provided shock/trauma or a burn unit. Memorial Medical Center does provide trauma services but not a burn unit. We find these two services to be vastly different and are concerned that you would group these characteristics into one category. Lastly, the 1986 data we received indicated a negative response to the specialty service of coronary care unit which is somewhat misleading since Memorial Medical Center does provide coronary care services in our mixed intensive care unit, a characteristic which is not listed at this point in time.

It should be noted that the quality assurance process in this facility produces similar information internally for review, analysis and action if necessary. We believe data such as this can only identify areas for further evaluation by our medical staff and that to draw conclusions or initiate actions based solely on such information without in-depth analysis is premature. We feel this methodology is a reasonable response to the public's desire to have data available to them regarding health care providers. However, continued improvements on such statistical modeling is necessary as well as honesty on the part of its developers regarding the limitations of the data. The opportunity of health care providers to verify and comment about such data prior to its public release is a vital component of a reasonable solution to the public's desire for information on health care quality.

Sincerely,

Carla J. Ambrosius, RRA

Carla J. Ambrosius, RRA
Director of Medical Records

CJA:jl

SINAI SAMARITAN MED CTR - MT SINAI C

950 N 12TH ST
MILWAUKEE, WI 53201

Medicare Hospital Provider Number: 520064

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,484	11	10 - 14	2,488	13	10 - 15
Cancer	99	45	31 - 55	88	50	33 - 58
Cerebrovascular Accidents	71	21	16 - 37	78	27	17 - 38
Gastrointestinal Catastrophes	14	29	15 - 63	9	33	9 - 67
Infectious Disease	26	38	16 - 55	47	49	20 - 52
Metabolic/Electrolyte Disorders	36	31	13 - 47	42	26	14 - 46
Pulmonary Disease	95	28	18 - 39	136	32	19 - 38
Renal Failure	8	25	8 - 73	12	42	11 - 73
Severe Acute Heart Disease	92	26	26 - 47	68	35	28 - 52
Severe Chronic Heart Disease	145	14	17 - 31	150	19	16 - 30
Severe Trauma	6	0	10 - 62	2	0	2 - 89
Gastrointestinal Disease	150	3	1 - 9	134	2	1 - 8
Gynecologic Disease	22	0	0 - 87	13	8	0 -100
Low-Risk Heart Disease	339	3	2 - 6	388	5	2 - 7
Musculoskeletal/Skin Conditions	178	4	1 - 9	159	3	1 - 8
Neuropsychiatric/Sensory Disease	118	1	0 - 9	118	6	1 - 12
Urologic Disease	104	0	0 - 7	115	0	0 - 6

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1984

Total Beds (#):	410
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	74
Registered Nurses:	424
Licensed Practical Nurses:	32

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

SINAI SAMARITAN MED CTR--GOOD SMTN C

2000 WEST KILBOURN AVENUE
MILWAUKEE, WI 53233

Medicare Hospital Provider Number: 520020

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,738	10	9 - 14	1,932	11	9 - 14
Cancer	59	36	27 - 55	71	45	28 - 55
Cerebrovascular Accidents	58	29	18 - 42	66	20	18 - 39
Gastrointestinal Catastrophes	11	27	9 - 62	20	20	20 - 59
Infectious Disease	18	44	12 - 58	27	52	18 - 57
Metabolic/Electrolyte Disorders	34	26	12 - 46	26	15	9 - 43
Pulmonary Disease	73	22	17 - 39	84	29	19 - 41
Renal Failure	8	50	12 - 79	8	38	10 - 77
Severe Acute Heart Disease	48	38	29 - 57	55	31	26 - 52
Severe Chronic Heart Disease	89	17	15 - 33	108	19	14 - 31
Severe Trauma	0	-	-	2	0	5 - 89
Gastrointestinal Disease	134	1	2 - 8	144	6	1 - 11
Gynecologic Disease	11	0	0 -100	12	0	0 -100
Low-Risk Heart Disease	267	6	2 - 8	281	5	1 - 8
Musculoskeletal/Skin Conditions	166	0	1 - 5	212	1	1 - 6
Neuropsychiatric/Sensory Disease	70	6	0 - 26	81	2	0 - 20
Urologic Disease	58	2	0 - 30	74	3	0 - 15

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	404
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	228
Licensed Practical Nurses:	11

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

SOUTHWEST HEALTH CENTER

1100 5 AVE
PLATTEVILLE, WI 53818

Medicare Hospital Provider Number: 520178

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	241	18	14 - 24	271	16	13 - 23
Cancer	2	50	2 - 92	5	60	18 - 88
Cerebrovascular Accidents	16	31	9 - 54	21	29	12 - 51
Gastrointestinal Catastrophes	2	0	4 - 88	0	-	-
Infectious Disease	10	50	14 - 71	6	33	13 - 79
Metabolic/Electrolyte Disorders	1	0	3 - 98	5	20	1 - 78
Pulmonary Disease	32	25	16 - 47	40	32	19 - 50
Renal Failure	4	25	12 - 88	4	50	4 - 84
Severe Acute Heart Disease	24	46	24 - 63	18	50	24 - 68
Severe Chronic Heart Disease	19	21	10 - 48	20	5	12 - 38
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	19	0	0 - 39	18	6	0 - 94
Gynecologic Disease	1	100	0 -100	1	0	0 -100
Low-Risk Heart Disease	25	4	0 - 54	21	0	0 - 30
Musculoskeletal/Skin Conditions	12	0	0 - 85	21	0	0 - 66
Neuropsychiatric/Sensory Disease	3	0	0 -100	7	14	0 -100
Urologic Disease	4	0	0 -100	6	0	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1984

Total Beds (#): 31
Ownership/Control: Private, Non-profit

STAFFING

Interns and Residents: 0
Registered Nurses: 36
Licensed Practical Nurses: 7

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

ST AGNES HOSPITAL

430 EAST DIVISON STREET
FOND DU LAC , WI 54935

Medicare Hospital Provider Number: 520088

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,879	10	9 - 14	1,819	13	10 - 15
Cancer	73	40	27 - 53	87	41	32 - 57
Cerebrovascular Accidents	82	17	17 - 35	75	24	18 - 39
Gastrointestinal Catastrophes	20	25	19 - 60	24	50	18 - 59
Infectious Disease	15	27	15 - 60	8	38	14 - 74
Metabolic/Electrolyte Disorders	18	22	8 - 50	19	26	8 - 51
Pulmonary Disease	69	17	14 - 35	76	22	16 - 38
Renal Failure	7	43	10 - 79	2	50	7 - 97
Severe Acute Heart Disease	83	37	28 - 51	70	46	28 - 52
Severe Chronic Heart Disease	99	18	16 - 33	96	30	15 - 35
Severe Trauma	2	0	9 - 92	2	0	2 - 88
Gastrointestinal Disease	184	3	1 - 8	168	2	1 - 8
Gynecologic Disease	34	0	0 -100	19	0	0 -100
Low-Risk Heart Disease	154	6	1 - 11	151	5	1 - 10
Musculoskeletal/Skin Conditions	197	3	0 - 8	183	1	1 - 6
Neuropsychiatric/Sensory Disease	121	2	1 - 8	100	1	1 - 8
Urologic Disease	93	1	0 - 16	95	0	0 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 233
Occupancy Rate (%): 71
Ownership/Control: Church

STAFFING

Total Number of Physicians: 94
Percent of Physicians Who Are Board Certified Specialists: 81
Interns and Residents: 0
Registered Nurses: 172
Licensed Practical Nurses: 69

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

ST ANTHONY HOSPITAL

1004 NORTH 10TH STREET
MILWAUKEE , WI 53233

Medicare Hospital Provider Number: 520022

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	63	3	1 - 16	278	12	4 - 13
Cancer	1	100	0 - 99	1	100	3 - 98
Cerebrovascular Accidents	0	-	-	7	14	4 - 63
Gastrointestinal Catastrophes	0	-	-	3	67	4 - 86
Infectious Disease	0	-	-	4	50	7 - 84
Metabolic/Electrolyte Disorders	0	-	-	8	50	2 - 72
Pulmonary Disease	0	-	-	13	54	9 - 61
Renal Failure	0	-	-	1	100	2 - 97
Severe Acute Heart Disease	1	0	1 - 97	3	0	3 - 79
Severe Chronic Heart Disease	2	0	0 - 99	8	25	4 - 65
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	1	0	0 -100	9	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	7	0	0 -100	24	0	0 - 58
Musculoskeletal/Skin Conditions	6	0	0 -100	56	2	0 - 36
Neuropsychiatric/Sensory Disease	33	0	0 - 96	40	2	0 - 94
Urologic Disease	0	-	-	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1984

Total Beds (#):	104
Ownership/Control:	Church

STAFFING

Interns and Residents:	0
Registered Nurses:	60
Licensed Practical Nurses:	35

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST CATHERINES HOSPITAL

3556 7TH AVE
KENOSHA, WI 53140

Medicare Hospital Provider Number: 520069

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,287	14	10 - 15	1,201	13	10 - 15
Cancer	48	42	23 - 53	40	45	23 - 55
Cerebrovascular Accidents	49	24	16 - 41	49	22	16 - 40
Gastrointestinal Catastrophes	11	27	10 - 63	10	20	10 - 63
Infectious Disease	18	28	12 - 55	12	33	14 - 66
Metabolic/Electrolyte Disorders	28	18	8 - 43	27	37	10 - 49
Pulmonary Disease	79	27	19 - 41	57	30	12 - 38
Renal Failure	6	67	10 - 80	11	36	10 - 73
Severe Acute Heart Disease	37	27	24 - 54	46	43	24 - 54
Severe Chronic Heart Disease	91	25	14 - 34	84	29	14 - 35
Severe Trauma	2	50	1 - 93	0	-	-
Gastrointestinal Disease	93	2	1 - 10	67	3	0 - 15
Gynecologic Disease	11	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	122	6	1 - 12	112	3	2 - 9
Musculoskeletal/Skin Conditions	92	1	1 - 9	106	3	0 - 11
Neuropsychiatric/Sensory Disease	90	0	0 - 8	87	2	0 - 20
Urologic Disease	51	0	0 - 24	62	2	0 - 17

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 213
Occupancy Rate (%): 46
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 136
Percent of Physicians Who Are Board Certified Specialists: 49
Interns and Residents: 0
Registered Nurses: 116
Licensed Practical Nurses: 34

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

ST CLARE HOSPITAL

515 22ND AVENUE
MONROE, WI 53566

Medicare Hospital Provider Number: 520028

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,256	10	8 - 13	1,292	11	9 - 14
Cancer	50	28	24 - 52	55	42	30 - 59
Cerebrovascular Accidents	50	26	15 - 40	45	29	15 - 43
Gastrointestinal Catastrophes	10	60	15 - 72	15	47	12 - 62
Infectious Disease	13	23	13 - 60	18	50	14 - 60
Metabolic/Electrolyte Disorders	12	17	6 - 54	22	9	9 - 41
Pulmonary Disease	44	27	13 - 42	55	33	14 - 41
Renal Failure	6	33	9 - 80	8	25	9 - 74
Severe Acute Heart Disease	47	34	27 - 55	52	38	26 - 53
Severe Chronic Heart Disease	57	21	14 - 36	54	24	13 - 38
Severe Trauma	1	0	0 - 99	2	50	1 - 93
Gastrointestinal Disease	151	2	1 - 8	142	4	1 - 10
Gynecologic Disease	14	7	0 -100	13	0	0 -100
Low-Risk Heart Disease	91	2	1 - 10	78	1	2 - 10
Musculoskeletal/Skin Conditions	173	3	0 - 11	201	2	1 - 7
Neuropsychiatric/Sensory Disease	44	5	0 - 47	47	2	0 - 50
Urologic Disease	74	3	0 - 17	69	0	0 - 18

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	173
Occupancy Rate (%):	50
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	72
Percent of Physicians Who Are Board Certified Specialists:	71
Interns and Residents:	0
Registered Nurses:	117
Licensed Practical Nurses:	19

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST CLARE HOSPITAL

707 14TH STREET
BARABOO, WI 53913

Medicare Hospital Provider Number: 520057

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	689	9	9 - 14	705	12	9 - 15
Cancer	13	54	22 - 73	11	36	19 - 72
Cerebrovascular Accidents	25	24	11 - 46	23	17	10 - 43
Gastrointestinal Catastrophes	9	22	14 - 68	5	80	8 - 76
Infectious Disease	10	30	14 - 68	12	17	14 - 60
Metabolic/Electrolyte Disorders	14	14	4 - 50	14	29	8 - 57
Pulmonary Disease	37	11	12 - 36	58	26	18 - 43
Renal Failure	5	40	13 - 87	3	67	4 - 87
Severe Acute Heart Disease	20	50	19 - 62	26	42	22 - 59
Severe Chronic Heart Disease	44	18	13 - 37	37	19	14 - 41
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	44	2	0 - 20	55	2	0 - 17
Gynecologic Disease	6	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	68	1	1 - 11	52	0	1 - 11
Musculoskeletal/Skin Conditions	87	2	0 - 13	95	2	0 - 12
Neuropsychiatric/Sensory Disease	15	0	0 - 81	23	0	0 - 66
Urologic Disease	37	0	0 - 18	27	0	0 - 69

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	100
Occupancy Rate (%):	39
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	20
Percent of Physicians Who Are Board Certified Specialists:	90
Interns and Residents:	0
Registered Nurses:	51
Licensed Practical Nurses:	14

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST CROIX VALLEY MEMORIAL HOSPITAL

204 S ADAMS
SAINT CROIX FALLS, WI 54024

Medicare Hospital Provider Number: 520112

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	462	12	10 - 17	468	10	11 - 18
Cancer	12	50	27 - 79	10	40	22 - 78
Cerebrovascular Accidents	13	23	8 - 55	20	40	16 - 58
Gastrointestinal Catastrophes	5	20	6 - 75	0	-	-
Infectious Disease	6	67	11 - 77	8	25	10 - 68
Metabolic/Electrolyte Disorders	4	75	8 - 82	12	8	12 - 53
Pulmonary Disease	28	36	16 - 52	34	21	16 - 45
Renal Failure	1	100	2 - 98	5	60	14 - 88
Severe Acute Heart Disease	23	48	22 - 62	28	21	27 - 58
Severe Chronic Heart Disease	20	15	10 - 44	24	25	13 - 49
Severe Trauma	2	50	2 - 92	1	0	0 - 99
Gastrointestinal Disease	52	2	1 - 15	50	0	1 - 11
Gynecologic Disease	4	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	62	2	1 - 12	54	0	1 - 10
Musculoskeletal/Skin Conditions	27	4	0 - 49	31	3	0 - 40
Neuropsychiatric/Sensory Disease	17	0	0 - 71	22	0	0 - 37
Urologic Disease	21	0	0 - 88	25	0	0 - 60

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	74
Occupancy Rate (%):	37
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	21
Percent of Physicians Who Are Board Certified Specialists:	95
Interns and Residents:	0
Registered Nurses:	32
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

October 20, 1988

Health Care Financing Administration
Health Standards and Quality Bureau
Attn: Sandra Kappert
Meadows East Building, 2 - D - 2
6325 Security Boulevard
Baltimore, Maryland 21207

Ms. Kappert:

Enclosed is St. Croix Valley Memorial Hospital's comments regarding the recently released HCFA Mortality Data.

Also noted are AHA Survey elements that may or may not cause confusion relative to bed size and occupancy rate.

HCFA data relates to the acute care provider number 52-0112. AHA data is the aggregate of acute care and chemical dependency unit data.

Sincerely,

Janet S. Feske, ART

Janet S. Feske, A.R.T.
Director, Medical Record Services

St. Croix Valley
MEMORIAL HOSPITAL

P.O. Box 668 • 204 South Adams Street
St. Croix Falls, Wisconsin 54024
Wisconsin 800-642-1336 • Local 483-3261

St. Croix Valley
MEMORIAL HOSPITAL

October 20, 1988

COMMENTS ON HCFA MORTALITY DATA

The data presented by HCFA indicates that a total of 56 Medicare patients expired within 30 days of discharge from St. Croix Valley Memorial Hospital. Of these patients, 44 died while still a patient of the hospital, while 22 died after discharge.

Of the 44 hospital deaths, 36 were admitted for terminal care or admitted with Do Not Resuscitate (DNR) orders at the request of the patient or family.

HCFA data indicate tracking of 462 Medicare discharges for the 1987 calendar year. Our own records indicate 839 discharges. This variance is attributed to the fact that HCFA counts only a patient's last hospital discharge in the total number. Thus using total deaths of 56 and total discharges of 839, overall hospital mortality within 30 days of discharge is 7% rather than 12%.

It is impossible to determine whether the cause of death for the 22 patients who were discharged alive and died within 30 days is related to the last hospitalization, as information concerning death after discharge is not included in patients' medical records.

In only one diagnostic category does the hospital's actual mortality rate fall outside the predicted rate, and that category was renal failure with one patient.

HOSPITAL CHARACTERISTICS
AHA 1987 Survey

Beds: 55
Occupancy rate: 33%
Ownership: Private, non-profit

Total number of physicians: 21
% Board certified specialists: 95%

Speciality Services: Coronary Care

P.O. Box 668 • 204 South Adams Street
St. Croix Falls, Wisconsin 54024
Wisconsin 800-642-1336 • Local 483-3261

ST ELIZABETH HOSP

1506 S ONEIDA ST
APPLETON, WI 54911

Medicare Hospital Provider Number: 520009

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,542	10	10 - 14	1,610	11	10 - 15
Cancer	92	35	29 - 52	106	39	31 - 54
Cerebrovascular Accidents	77	26	17 - 38	70	26	18 - 40
Gastrointestinal Catastrophes	15	13	16 - 57	21	29	19 - 60
Infectious Disease	16	38	11 - 58	19	26	19 - 61
Metabolic/Electrolyte Disorders	9	11	9 - 59	18	17	10 - 50
Pulmonary Disease	60	23	15 - 39	66	21	15 - 37
Renal Failure	0	-	-	3	33	8 - 91
Severe Acute Heart Disease	51	29	24 - 51	55	36	27 - 53
Severe Chronic Heart Disease	56	29	12 - 37	75	19	16 - 35
Severe Trauma	8	38	9 - 71	12	25	9 - 61
Gastrointestinal Disease	103	0	1 - 6	120	3	1 - 10
Gynecologic Disease	23	0	0 -100	13	0	0 -100
Low-Risk Heart Disease	100	5	1 - 12	117	5	1 - 12
Musculoskeletal/Skin Conditions	215	2	1 - 6	217	0	1 - 5
Neuropsychiatric/Sensory Disease	169	1	1 - 7	158	5	1 - 11
Urologic Disease	39	3	0 - 35	52	4	0 - 41

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 299
Occupancy Rate (%): 58
Ownership/Control: Church

STAFFING

Total Number of Physicians: 167
Percent of Physicians Who Are Board Certified Specialists: 76
Interns and Residents: 0
Registered Nurses: 238
Licensed Practical Nurses: 36

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

ST. ELIZABETH HOSPITAL · A Member of the Wheaton Franciscan System
1506 SOUTH ONEIDA STREET · APPLETON, WISCONSIN 54915

October 20, 1988

William L. Roper, M.D.
HCFA Administrator
Health Standards Quality Bureau
6325 Security Boulevard
Baltimore, MD 21207

Dear Dr. Roper:

St. Elizabeth Hospital recognizes that consumers have a legitimate interest in obaining useful, reliable information on the quality of care available to them. However, mortality rates by themselves do not measure quality. Mortality data is most appropriately used to guide or focus peer review.

Quality of patient care is of the utmost concern to the Board of Directors, management, and medical staff of St. Elizabeth Hospital. Any indication of potential quality problems, including a mortality rate that is higher or lower than predicted, leads to a prompt investigation to determine if a problem in fact exists.

St. Elizabeth Hospital is in support of HCFA's stated intention of providing hospitals with an added focus for quality review through the release of mortality data. We also agree with AHA that the publication of data alone does not indicate hospital performance or quality.

The HCFA data as shared with hospital administrative personnel seems to be based on the number of claims processed in 1987 as an indication of the number of Medicare inpatient admissions. This fact, coupled with the utiliation of only the last of any admissions of a single beneficiary occurring in 1987, vastly reduces the number of cases studied. The resultant mortality rate does not reflect a full year's data, and appears greater than the actual mortality rate. Our data, based on actual discharges, appears in contrast to HCFA's as follows:

	HCFA's Data	St. Elizabeth Hospital Data
Total Medicare Inpatients	1,542	2,487
Total Medicare Hospital Deaths	152 (9.9%) (118 while inpatients 34 post discharge)	126 (5%) (all 126 while inpatients)

Both the released statistics and our actual numbers place our mortality rate well within the range of predicted rates in all diagnostic categories. This is in spite of the specialty services that St. Elizabeth Hospital provides in the areas of trauma, oncology, and neuro-surgery.

We have verified each of the deaths as presented in the HCFA data, and are in agreement in all cases. We are in the process of conducting additional quality review on each of these cases. However, given the diagnoses, age group, and case mix involved, we expect to validate the delivery of quality health care in each circumstance.

The principal "technical" issue is that the ability of the model to detect differences in quality has not been evaluated. For example, the model does not include measures of severity. Additionally, HCFA data are not all inclusive. The mortality rates only apply to Medicare patients. The American Hospital Association and other organizations, including the Joint Commission, are investigating methods of evaluating hospital quality that rely on measures other than mortality rates. St. Elizabeth Hospital looks forward to the results of those efforts; we believe that better measures for the public are needed.

The HCFA material prepared for public release also contained information on hospital characteristics which were supposedly obtained from the 1986 AHA Annual Survey statistics. The following errors were noted on the HCFA material:

	HCFA	1986 AHA Survey
Bedsize	155	279
Board Certified Physicians	63%	79%

These are but two examples of the HCFA data errors.

We understand that the final public release will utilize hospital characteristics based upon the 1987 AHA survey and I would recommend that you verify this data with the hospitals before publication.

Sincerely,

ST. ELIZABETH HOSPITAL

Daniel L Rorabeck

Daniel L. Rorabeck
Vice President - Finance

DLR:dcl

ST FRANCIS HOSPITAL

3237 SOUTH 16TH STREET
MILWAUKEE, WI 53215

Medicare Hospital Provider Number: 520078

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,172	11	9 - 14	2,190	11	10 - 14
Cancer	58	45	28 - 56	57	40	30 - 59
Cerebrovascular Accidents	92	18	18 - 35	85	18	18 - 36
Gastrointestinal Catastrophes	16	31	14 - 61	18	50	16 - 62
Infectious Disease	37	35	18 - 52	52	33	22 - 52
Metabolic/Electrolyte Disorders	54	31	14 - 44	51	18	9 - 37
Pulmonary Disease	85	25	17 - 38	72	25	15 - 37
Renal Failure	10	40	11 - 74	8	38	15 - 82
Severe Acute Heart Disease	59	54	29 - 56	70	37	28 - 52
Severe Chronic Heart Disease	151	23	15 - 30	144	25	16 - 32
Severe Trauma	2	50	0 - 96	3	67	2 - 87
Gastrointestinal Disease	199	5	1 - 9	188	3	1 - 7
Gynecologic Disease	20	5	0 -100	40	0	0 -100
Low-Risk Heart Disease	209	1	1 - 5	226	2	2 - 6
Musculoskeletal/Skin Conditions	331	2	1 - 5	284	2	1 - 6
Neuropsychiatric/Sensory Disease	34	3	0 - 43	38	5	0 - 49
Urologic Disease	99	1	0 - 12	102	3	0 - 19

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	279
Occupancy Rate (%):	63
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	248
Percent of Physicians Who Are Board Certified Specialists:	64
Interns and Residents:	0
Registered Nurses:	256
Licensed Practical Nurses:	35

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST. FRANCIS HOSPITAL
3237 SOUTH 16TH STREET | P.O. BOX 15750 | MILWAUKEE, WI 53215 | 414/647-5000

October 20, 1988

Medicare Provider
Number 520078

William L. Roper, M.D.
Administrator
Health Care Financing Administration
Washington, D.C. 20201

Dear Dr. Roper:

Thank you for the opportunity to provide comments on the Health Care Financing Administration's 1987 Mortality Data. We are pleased that St. Francis Hospital's mortality rates again were well within the predicted ranges, both overall and for each diagnostic category.

We carefully reviewed the mortality cases for St. Francis Hospital and found one error (Attachment A). We also reviewed the hospital characteristics and compared them to our 1987 AHA Annual Survey of Hospitals. Our characteristics should appear as shown in Attachment B.

St. Francis Hospital firmly believes that the quality of care provided by hospitals is a justifiable issue for public discussion. The quality of care is of the highest importance for this hospital's Board of Directors, Medical Staff, Administration, and all employees. Consistent with this belief, we have established and continue to enhance our programs designed to ensure the quality of care provided to our patients and community. All quality concerns are thoroughly investigated and any needed corrective actions are taken immediately. Our objective is not only to measure quality, but to ensure it as well.

The comprehensive Quality Assurance Program at St. Francis Hospital looks not only at all mortality cases, but also infection rates, complications, surgical cases, antibiotic utilization, use of blood components and other aspects of care. This program ensures that all patients receive the appropriate level of care.

It is important to note that approximately 45% of the deaths identified in our data occured after discharge from St. Francis Hospital. Since we have no way of accurately assessing the reasons for deaths not occurring here, it is quite probable that such deaths were unrelated to the reason for their hospitalization.

St. Francis Hospital welcomes this latest release of HCFA Mortality Data and continues to look forward to the future development of more sophisticated and appropriate measures of the quality of care.

Sincerely,

Mark V. Knight
Executive Vice President
and Chief Operating Officer

MVK:mp/4

ST FRANCIS MEDICAL CENTER

700 WEST AVE S
LA CROSSE, WI 54601

Medicare Hospital Provider Number: 520004

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,888	11	10 - 14	1,956	13	11 - 15
Cancer	71	44	25 - 52	77	40	27 - 53
Cerebrovascular Accidents	97	23	17 - 36	103	33	18 - 38
Gastrointestinal Catastrophes	20	30	13 - 56	13	62	17 - 68
Infectious Disease	39	26	24 - 55	30	27	16 - 51
Metabolic/Electrolyte Disorders	28	21	15 - 50	39	28	15 - 48
Pulmonary Disease	78	18	16 - 36	101	21	18 - 37
Renal Failure	6	33	16 - 86	10	50	16 - 80
Severe Acute Heart Disease	76	39	27 - 51	96	34	29 - 50
Severe Chronic Heart Disease	111	21	15 - 31	74	30	13 - 36
Severe Trauma	2	0	1 - 89	1	100	2 -100
Gastrointestinal Disease	121	3	1 - 10	137	2	1 - 8
Gynecologic Disease	22	0	0 -100	20	0	0 -100
Low-Risk Heart Disease	179	4	1 - 9	149	5	1 - 10
Musculoskeletal/Skin Conditions	216	0	1 - 4	225	2	1 - 6
Neuropsychiatric/Sensory Disease	72	3	0 - 15	64	2	0 - 24
Urologic Disease	91	3	0 - 15	68	1	1 - 12

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	361
Occupancy Rate (%):	49
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	101
Percent of Physicians Who Are Board Certified Specialists:	66
Interns and Residents:	13
Registered Nurses:	218
Licensed Practical Nurses:	33

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MEDICARE PROVIDER NO: N52-0004

St. Francis Medical Center
700 West Avenue S. La Crosse, WI 54601-9968 608-785-0940

October 20, 1988

Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Attention: Mrs. Sandra Kappert

Dear Mrs. Kappert:

We have reviewed the 1987 mortality data furnished by the Health Standards and Quality Bureau and found a few discrepancies. Attached is an addendum containing the corrections to the following:

1. Discrepancy in the hospital characteristics reported by the Health Care Finance Administration (HCFA) from what was reported on the American Hospital Association Survey.

2. A difference in the 1986 total Medicare cases reported this year for comparison and the 1986 totals reported last year.

Our records indicate that St. Francis Medical Center's total Medicare admissions for 1987 was 3139. It should be noted that HCFA's total of 1888 is based solely on a patient's last hospital admission during 1987. HCFA's report indicates a total of 1888 Medicare patients admitted to St. Francis Medical Center with an 11% mortality rate within 30 days of admission; however, 28.2% (58) of those reported deaths did not die while a patient at St. Francis. Patients who died outside St. Francis Medical Center may have died from non-related diagnoses.

In examining this data, we find that our mortality rates fall within the ranges established by HCFA. In a case by case review we do not find any area of substandard quality of care. It is important to note that of the 16 categories of diagnoses being reported 10 are considered high risk for death. Of the reported deaths 17% (35) occurred within 24 hours of admission due to the severe and/or irreversible condition of the patients. We have also noted that 15% (31) of the total deaths were due to the terminal condition of cancer patients. One factor that today may affect mortality rates is the increasing number of patients with irreversible and terminal illness who choose a living will and thereby forego further therapies. HCFA does not factor in severity of illness which has a direct impact on mortality rates. With changes in health care provision to home care, hospice and outpatient care, only the acutely ill, unstable or terminal patient is admitted which is reflected in the mortality rates.

Mortality data published cannot be construed by the public as the sole basis on which to judge quality of care. St. Francis Medical Center uses comprehensive monitoring and evaluation screens in addition to mortality review. We conduct ongoing monitoring and evaluation in all aspects of patient care throughout the facility. We are a comprehensive medical treatment and teaching hospital where medical excellence is inherent. Our employees, physicians, nurses and volunteers work as a team, dedicated to medical excellence, progressive programs and compassionate caring. Together we take pride in our tradition of excellence and continue to extend ourselves to deliver the highest quality of services. Medical excellence and compassionate caring will continue to be our daily missions, as well as, our long term goals.

Sincerely,

Philip H. Utz

Philip H. Utz, M.D.
Medical Director

PHU:ss

Attachments (5)

ADDENDUM:

1. Our total beds number as reported to the American Hospital Association on the 1986 and 1987 surveys is 346 and not 188. (Please see attachments I and II).

2. Total number Medicare cases reported by HCFA in December 1987 was 2,073. This year's comparison report states 1,956 total cases for calendar year 1986. We realize there were refinements in the data preparation and the two years are not strictly comparable; however, I do not believe the change in data reporting would have any effect on the total number of cases. (Please see Attachments III and IV.)

ST JOSEPH HOSPITAL

464 S ST JOSEPH AVENUE
ARCADIA, WI 54612

Medicare Hospital Provider Number: 520142

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	73	12	6 - 23	98	12	10 - 24
Cancer	2	0	8 - 91	6	33	12 - 78
Cerebrovascular Accidents	3	33	4 - 86	11	27	10 - 61
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	2	50	1 - 92	6	33	3 - 74
Pulmonary Disease	1	100	0 - 99	2	0	2 - 88
Renal Failure	1	100	2 - 98	2	100	2 - 89
Severe Acute Heart Disease	3	0	8 - 81	4	25	12 - 85
Severe Chronic Heart Disease	6	33	3 - 73	3	0	2 - 80
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	12	0	0 - 79	11	0	0 - 94
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	4	25	0 -100	13	0	0 - 71
Musculoskeletal/Skin Conditions	6	0	0 -100	1	0	0 -100
Neuropsychiatric/Sensory Disease	2	0	0 -100	4	0	0 -100
Urologic Disease	3	0	0 -100	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	101
Occupancy Rate (%):	75
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	40
Interns and Residents:	0
Registered Nurses:	6
Licensed Practical Nurses:	10

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST JOSEPH'S HOSPITAL

2661 COUNTY TRUNK I
CHIPPEWA FALLS, WI 54729

Medicare Hospital Provider Number: 520017

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	889	10	9 - 15	964	12	10 - 15
Cancer	20	30	23 - 64	22	59	28 - 69
Cerebrovascular Accidents	37	27	18 - 47	30	27	15 - 47
Gastrointestinal Catastrophes	5	20	2 - 75	5	0	19 - 75
Infectious Disease	8	25	16 - 73	11	18	17 - 65
Metabolic/Electrolyte Disorders	20	25	13 - 54	19	26	12 - 54
Pulmonary Disease	45	27	14 - 42	66	27	17 - 41
Renal Failure	4	25	4 - 82	3	67	10 - 92
Severe Acute Heart Disease	26	50	23 - 61	27	19	27 - 58
Severe Chronic Heart Disease	54	13	14 - 34	66	26	14 - 37
Severe Trauma	3	33	3 - 86	0	-	-
Gastrointestinal Disease	80	4	1 - 14	81	5	1 - 15
Gynecologic Disease	8	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	89	0	2 - 7	115	3	2 - 9
Musculoskeletal/Skin Conditions	93	1	1 - 8	109	3	0 - 11
Neuropsychiatric/Sensory Disease	31	0	0 - 27	43	2	0 - 26
Urologic Disease	36	3	0 - 49	31	0	0 - 41

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	128
Occupancy Rate (%):	57
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	58
Percent of Physicians Who Are Board Certified Specialists:	78
Interns and Residents:	0
Registered Nurses:	57
Licensed Practical Nurses:	16

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST JOSEPHS COMMUNITY HOSPITAL

551 SILVERBROOK DRIVE
WEST BEND, WI 53095

Medicare Hospital Provider Number: 520063

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	837	11	11 - 16	830	10	9 - 14
Cancer	33	58	32 - 67	29	48	22 - 60
Cerebrovascular Accidents	47	23	19 - 44	29	17	15 - 44
Gastrointestinal Catastrophes	7	43	12 - 76	8	38	13 - 73
Infectious Disease	9	33	10 - 68	4	25	7 - 81
Metabolic/Electrolyte Disorders	10	20	10 - 62	6	67	1 - 78
Pulmonary Disease	51	18	16 - 40	35	14	14 - 41
Renal Failure	6	67	10 - 81	4	50	14 - 93
Severe Acute Heart Disease	33	42	27 - 61	31	42	26 - 61
Severe Chronic Heart Disease	43	28	11 - 39	57	23	11 - 34
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	71	3	1 - 14	77	0	1 - 7
Gynecologic Disease	9	0	0 -100	13	0	0 -100
Low-Risk Heart Disease	64	0	2 - 8	80	0	1 - 7
Musculoskeletal/Skin Conditions	95	1	1 - 9	88	5	0 - 21
Neuropsychiatric/Sensory Disease	29	0	0 - 26	25	0	0 - 24
Urologic Disease	37	0	0 - 78	42	0	0 - 23

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	109
Occupancy Rate (%):	54
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	52
Percent of Physicians Who Are Board Certified Specialists:	85
Interns and Residents:	0
Registered Nurses:	91
Licensed Practical Nurses:	16

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST JOSEPHS HOSP

611 ST JOSEPH AVENUE
MARSHFIELD, WI 54449

Medicare Hospital Provider Number: 520037

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	4,135	10	11 - 14	3,892	10	11 - 15
Cancer	217	41	34 - 53	256	32	33 - 51
Cerebrovascular Accidents	110	26	17 - 36	117	23	19 - 36
Gastrointestinal Catastrophes	22	27	27 - 66	31	42	22 - 59
Infectious Disease	49	31	25 - 55	34	26	25 - 58
Metabolic/Electrolyte Disorders	36	33	12 - 47	37	14	16 - 44
Pulmonary Disease	159	23	19 - 36	143	19	18 - 35
Renal Failure	16	38	11 - 68	19	16	18 - 69
Severe Acute Heart Disease	169	23	30 - 46	172	32	30 - 47
Severe Chronic Heart Disease	146	21	17 - 32	141	20	15 - 31
Severe Trauma	9	0	11 - 52	9	33	10 - 69
Gastrointestinal Disease	254	0	2 - 5	270	1	2 - 5
Gynecologic Disease	40	0	0 -100	33	0	0 - 95
Low-Risk Heart Disease	625	2	2 - 5	523	3	2 - 6
Musculoskeletal/Skin Conditions	428	2	1 - 6	369	2	1 - 5
Neuropsychiatric/Sensory Disease	199	2	1 - 7	179	3	1 - 8
Urologic Disease	157	1	0 - 6	156	3	0 - 13

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	524
Occupancy Rate (%):	68
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	246
Percent of Physicians Who Are Board Certified Specialists:	80
Interns and Residents:	0
Registered Nurses:	306
Licensed Practical Nurses:	47

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	Yes
Hospice Care:	Yes

(520037)

SAINT JOSEPH'S HOSPITAL

A MEMBER OF MINISTRY CORPORATION
SISTERS OF THE SORROWFUL MOTHER

COMMENTS ON HCFA MORTALITY DATA

The HCFA mortality data indicates that St. Joseph's Hospital's mortality rate falls within the HCFA predicted mortality range for Medicare patients whose last admission was to St. Joseph's Hospital during 1987.

We would like to express support for HCFA's attempt to collect and make available information regarding health care. However, we would like the reader to keep in mind several factors when reviewing this data:

1. The hospital characteristics published with St. Joseph's Hospital's data should indicate that St. Joseph's is a 524 bed facility. St. Joseph's Hospital also does provide coronary intensive care as a specialty service, and has a phycician residency program in conjunction with the University of Wisconsin - Madison. The above information was reported erroneously in the initial data received by the hospital from HCFA. Because the bed size information was in error, the nurse/bed and LPN/bed ratios are also inaccurate.

2. This data is meant to be used as screening data, and not as an indicator of quality. It may be used to point to areas that warrant further review and explanation, however the data in and of itself does not indicate either good or bad quality of care provided.

3. St. Joseph's Hospital serves as major referral center for northern and central Wisconsin. As a result, patients who are more critically ill and in need of complex treatment are often referred to St. Joseph's Hospital for their care. Also, as a tertiary care center, St. Joseph's provides specialty services which may have an impact on the mortality rate due to to nature of the illness of patient's utilizing those services. Examples of such services include a Hospice program and a Referral Center Cancer Treatment Program.

4. St. Joseph's Hospital also has a comprehensive Quality Assurance program which includes total review of all patients using a set of indicators. As a part of this review, all deaths that occur in the hospital are reviewed on an on-going basis.

David R. Jaye
David R. Jaye
Chief Executive Officer

14 Oct 1988
Date

ST JOSEPHS HOSP

5000 WEST CHAMBERS STREET
MILWAUKEE, WI 53210

Medicare Hospital Provider Number: 520136

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	4,505	12	11 - 15	4,183	13	11 - 15
Cancer	223	55	33 - 52	183	55	33 - 53
Cerebrovascular Accidents	180	21	21 - 35	160	26	21 - 37
Gastrointestinal Catastrophes	29	34	23 - 61	40	40	20 - 55
Infectious Disease	49	22	24 - 52	25	44	19 - 59
Metabolic/Electrolyte Disorders	67	28	17 - 45	50	22	11 - 41
Pulmonary Disease	165	27	17 - 34	153	29	21 - 39
Renal Failure	17	29	14 - 69	15	53	17 - 76
Severe Acute Heart Disease	170	36	31 - 48	199	35	34 - 51
Severe Chronic Heart Disease	252	20	17 - 30	211	22	17 - 31
Severe Trauma	9	22	8 - 64	10	10	9 - 57
Gastrointestinal Disease	299	4	1 - 7	301	3	1 - 6
Gynecologic Disease	55	0	0 - 82	34	0	0 -100
Low-Risk Heart Disease	771	4	2 - 5	630	4	2 - 6
Musculoskeletal/Skin Conditions	394	3	1 - 6	390	1	2 - 4
Neuropsychiatric/Sensory Disease	112	4	0 - 12	109	4	1 - 12
Urologic Disease	158	2	0 - 8	157	1	1 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	467
Occupancy Rate (%):	73
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	257
Percent of Physicians Who Are Board Certified Specialists:	77
Interns and Residents:	26
Registered Nurses:	566
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	Yes

St Joseph's
HOSPITAL·MILWAUKEE

5000 West Chambers Street · Milwaukee, WI 53210 · 414 447-2000

Thomas L. Feurig
President

October 12, 1988

Mrs. Sandra Kappert
Health Standards and Quality Bureau, H.C.F.A.
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

We welcome the opportunity to respond to the medicare mortality rate information we have received from the Healthcare Financing Administration. While the data supplied indicates that St. Joseph's Hospital, Milwaukee, falls within the range of predicted mortality rates for 15 of the 16 categories, we do wish to express several concerns. They include;

* A total of 223 patients were listed in the diagnostic category of cancer. Of that number, 126 were patients whose death could be verified because they died in the hospital. Of the patients that died in the hospital 44 or 35% died in Hospice. The Hospice only cares for terminally ill patients and their death is expected during their Hospice stay. If the Hospice was a variable used in calculating mortality statistics for cancer, St. Joseph's would fall well within the predicted range of mortality for cancer.

* Because four categories - gastrointestinal catastrophes, infectious disease, renal failure, and severe trauma - include fewer than 50 cases, the statistical reliability of the data may be questionable.

* We do not know to what other institutions - or their acuity of care and service specialties - we are being compared. Therefore, maximum analysis is difficult at best.

- The hospital characteristics listed for St. Joseph's were incorrect. The characteristics listed in the 1986 AHA Annual Survey for Hospitals is:

  - 562 beds not 210 beds.

  - 74% of St. Joseph's physicians are Board certified not 62%

  - St. Joseph's has a 24 bed mixed Intensive Care Unit for all types of intensive care patients. To indicate under specialty services that there are no coronary beds is inaccurate.

In conclusion, we do not feel that the mortality data provides a definitive measurement of quality of care, nor does it directly translate into appropriate or inappropriate hospital care. These mortality rates are a gross measurement of hospital care. St. Joseph's Hospital, fully accredited by the Joint Commission on Accreditation of Healthcare Organizations, possesses an active and comprehensive quality assurance process. This process includes physicians, representatives from all departments directly involved in direct patient care, administrators, and members of the Board of Directors. Monitoring all patient's care throughout the hospital, includes and takes into account the severity of illness, as well as the diagnosis and complicating factors. Again, thank you for the opportunity to reply to this data.

Sincerely,

Thomas L. Feurig

Thomas L. Feurig
President

TLF/jv

ST JOSEPHS MEMORIAL HOSP

400 WATER AVENUE
HILLSBORO, WI 54634

Medicare Hospital Provider Number: 520016

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	214	16	8 - 18	253	14	9 - 18
Cancer	7	57	18 - 81	12	67	27 - 77
Cerebrovascular Accidents	15	27	11 - 56	16	19	12 - 52
Gastrointestinal Catastrophes	1	100	1 - 97	1	0	2 - 97
Infectious Disease	1	100	0 - 98	4	0	9 - 73
Metabolic/Electrolyte Disorders	1	100	0 - 99	1	100	0 - 97
Pulmonary Disease	16	38	11 - 57	11	45	14 - 68
Renal Failure	1	100	0 - 97	0	-	-
Severe Acute Heart Disease	3	100	10 - 83	5	40	7 - 79
Severe Chronic Heart Disease	10	30	5 - 61	22	32	10 - 49
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	18	0	0 - 72	24	0	0 - 33
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	28	7	0 - 39	26	4	0 - 32
Musculoskeletal/Skin Conditions	29	0	0 - 27	28	4	0 - 95
Neuropsychiatric/Sensory Disease	6	17	0 -100	9	0	0 - 98
Urologic Disease	13	0	0 -100	13	15	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 90
Occupancy Rate (%): 77
Ownership/Control: Church

STAFFING

Total Number of Physicians: 5
Percent of Physicians Who Are Board Certified Specialists: 100
Interns and Residents: 0
Registered Nurses: 9
Licensed Practical Nurses: 0

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: Yes

ST LUKE'S MEDICAL CENTER, INC.

2900 WEST OKLAHOMA AVENUE
MILWAUKEE, WI 53215

Medicare Hospital Provider Number: 520138

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	5,744	11	9 - 13	5,188	11	10 - 14
Cancer	151	42	32 - 52	156	38	34 - 55
Cerebrovascular Accidents	167	27	19 - 34	170	21	18 - 33
Gastrointestinal Catastrophes	39	46	18 - 53	41	32	18 - 51
Infectious Disease	71	28	22 - 48	76	33	25 - 52
Metabolic/Electrolyte Disorders	106	28	15 - 40	75	35	16 - 43
Pulmonary Disease	181	35	21 - 38	162	29	20 - 37
Renal Failure	22	32	16 - 69	19	47	16 - 72
Severe Acute Heart Disease	231	48	30 - 46	217	42	32 - 48
Severe Chronic Heart Disease	301	21	16 - 28	287	21	18 - 30
Severe Trauma	14	43	10 - 62	3	67	3 - 86
Gastrointestinal Disease	288	2	2 - 7	248	4	2 - 8
Gynecologic Disease	19	0	0 -100	17	0	0 -100
Low-Risk Heart Disease	1,605	4	3 - 5	1,314	5	3 - 6
Musculoskeletal/Skin Conditions	379	3	1 - 6	388	2	1 - 5
Neuropsychiatric/Sensory Disease	170	3	1 - 9	175	4	0 - 11
Urologic Disease	185	2	0 - 8	132	1	1 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	479
Occupancy Rate (%):	76
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	320
Percent of Physicians Who Are Board Certified Specialists:	70
Interns and Residents:	56
Registered Nurses:	587
Licensed Practical Nurses:	11

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

St. Luke's Medical Center
Aurora Health Care

HCFA MORTALITY DATA REPLY

ST. LUKES MEDICAL CENTER - SEVERE ACUTE HEART DISEASE

SUMMARY

- St. Lukes Medical Center has one of the largest, most highly specialized cardiac programs in the country, with a large base of referrals on state, national, and international levels.

- 85% of the mortality cases in 1988 had in excess of 6 diagnoses. HCFA methods allow for a maximimum of 5 in their calculations.

- Five cases were incorrectly attributed to this category. If these cases had been properly coded, St. Lukes' mortality figure would have been within the projected range, despite our higher patient acuity.

In evaluating the Medicare mortality data, it is important to recognize that St. Luke's serves as a highly specialized referral center for cardiac patients. This results in a level of severity in our patient mix that is not factored into the HCFA mortality calculations.

St. Luke's well known reputation for innovation in coronary care acts a magnet for many of the most complex and difficult cardiac cases in the area, both through physician referral and our emergency department:

* St. Luke's is one of the busiest cardiac care facilities in the U.S. with more than 1,500 heart surgeries, 1,700 angioplasties, and 23 transplants in 1987.
* St. Luke's has the midwest's largest coronary disease data registry, monitoring over 60,000 patients.
* St. Luke's is also the recipient of 1240 transfers a year (16% of cardiac patient base) from local hospitals that are not able to provide the level of care required by their cardiac patients.

The Medical Center's reputation for cardiac care is well-known on the international level as well:

* Our cardiac teams have traveled to Europe, Asia, South America and the Far East to perform heart surgery, angioplasty and valvuloplasty procedures for observation by other surgeons and cardiologists.
* Over 50 patients were sent by the government of Denmark for coronary bypass surgery at St. Luke's in 1987.

The severity of our patient base is evident upon closer examination of the mortality figures:

- HCFA allows for a maximum of only four comorbid conditions (disease categories) in its definition of severe acute heart disease.
- Of the 105 patients in the severe acute heart category at St. Luke's, 17% had over four associated comorbidities.
- Of the 105 patients in the severe acute heart category, 85% had six or more additional diagnoses, half of which had 10 or more additional diagnoses.

Diagnoses are individual classifications where comorbidities represent a category of disease, but are indicative of severity and complexity of the case mix. The HCFA methodology is based upon an "average" severity which is greatly exceeded by the actual patient mix at St. Lukes.

It is important to note that five individual cases were incorrectly classified and should be excluded from the "severe acute" category. One case had a subsequent discharge (Endocrine Category), the other 4 were miscoded and reallocated to four separate categories. Just these adjustments for incorrect coding would reduce our mortality rate to 46%, which is within the predicted range in spite of the far higher acuity of St. Luke's patients.

Also, please note that the AHA descriptive data included in this report must be for a different St. Luke's Medical Center, as virtually none of it is accurate for St. Luke's in Milwaukee. For example, our number of beds is 479, not 187. The public should be made aware of the fragility of the HCFA data and methodology in terms of accuracy, reliability, and validity.

Furthermore, no method at present has been validated as a measure of "quality." HCFA methods serve only to demonstrate mortality at a given institution. They do not allow for valid comparison among hospitals nor do they serve to measure "quality."

St. Luke's has enthusiastically taken on the challenge of being a leading tertiary provider for Southeastern Wisconsin and an internationally renowned cardiac care facility. We welcome HCFA's efforts to provide information on medical outcomes and appreciate the opportunity to reply to this data.

ST LUKES HOSPITAL

1320 WISCONSIN AVENUE
RACINE, WI 53403

Medicare Hospital Provider Number: 520094

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,025	16	10 - 16	1,078	15	11 - 17
Cancer	60	60	32 - 60	60	52	29 - 57
Cerebrovascular Accidents	37	35	15 - 47	28	14	16 - 44
Gastrointestinal Catastrophes	13	31	9 - 60	16	31	15 - 62
Infectious Disease	13	54	16 - 67	23	48	23 - 65
Metabolic/Electrolyte Disorders	16	50	15 - 63	14	21	12 - 58
Pulmonary Disease	41	32	12 - 42	39	26	15 - 44
Renal Failure	9	56	14 - 78	11	18	10 - 68
Severe Acute Heart Disease	28	50	20 - 57	42	45	28 - 59
Severe Chronic Heart Disease	58	26	13 - 36	56	29	13 - 38
Severe Trauma	3	33	2 - 87	2	0	2 - 89
Gastrointestinal Disease	98	1	1 - 8	123	5	1 - 11
Gynecologic Disease	17	0	0 -100	15	0	0 -100
Low-Risk Heart Disease	69	1	1 - 11	81	2	1 - 11
Musculoskeletal/Skin Conditions	97	5	0 - 15	95	4	0 - 18
Neuropsychiatric/Sensory Disease	54	2	0 - 22	26	4	0 - 72
Urologic Disease	29	3	0 -100	31	3	0 - 55

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1984

Total Beds (#):	292
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	3
Registered Nurses:	203
Licensed Practical Nurses:	59

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

St. Luke's Hospital

Medicare Provider Number 520094

October 21, 1988

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

In review of the 1987 mortality rate data that was fowarded to St. Luke's Memorial Hospital, Inc., several errors were detected that will have an impact on statistical validation.

There were 2 diagnostic categories in which coding errors raised the actual number of mortality cases and subsequent mortality rate percentages.

> * There were 59 cancer cases instead of 60. This discrepancy also alters the percentage shown. The percentage should read 59% instead of 60% in the cancer category.
>
> * Likewise, inaccurate coding is responsible for an error in the pulmonary disease category. Forty cases should be listed instead of 41, and the percentage should read 30% instead of 32%.
>
> * Approximately, 11 of the patients were identified as having been transferred from a nursing home facility with chronic degenerative conditions shortly before death.

Although St. Luke's Memorial Hospital, Inc. is within the range for predicted mortality, we are on the high end of that realm in some categories due to market share and the particular aspects of service that is provided for the disease. St. Luke's Memorial Hospital, Inc., is the only approved community cancer hospital in Racine county and is the sole provider of both radiation therapy and hospice services in the community. St. Luke's Memorial Hospital, Inc. also provides end-stage renal dialysis, which is a service that attracts patients with a higher than average expected mortality.

-more-

Administration
St. Luke's Memorial Hospital, Inc.
1320 Wisconsin Avenue
Racine, Wisconsin 53403
414-636-2011

Mrs. Sandra Kappert
page 2

Errors were also detected in the hospital's characteristics information that was forwarded. In the area of speciality services, we do not offer a shock/trauma or burn center or organ transplant service. We do, however, have a coronary care unit.

Based on the above statements, it is clear that HCFA data, in itself, has limitations, and should not be utilized, per se, as the basis for judging quality care.

Respectfully submitted,

Ray Di Iulio
President and Chief Executive Officer

RD/kad

ST MARY'S HOSPITAL OZAUKEE INC

743 NORTH MONTGOMERY STREET
PORT WASHINGTON, WI 53078

Medicare Hospital Provider Number: 520027

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	589	11	9 - 15	598	13	8 - 15
Cancer	18	39	24 - 68	24	75	28 - 65
Cerebrovascular Accidents	27	26	13 - 47	28	7	14 - 37
Gastrointestinal Catastrophes	4	50	3 - 82	4	25	5 - 80
Infectious Disease	8	25	13 - 70	9	11	10 - 59
Metabolic/Electrolyte Disorders	12	0	6 - 41	9	11	2 - 59
Pulmonary Disease	44	14	15 - 38	33	30	11 - 44
Renal Failure	3	100	6 - 82	0	-	-
Severe Acute Heart Disease	12	33	17 - 68	17	71	24 - 66
Severe Chronic Heart Disease	34	26	11 - 42	33	30	12 - 44
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	41	5	1 - 21	43	2	0 - 30
Gynecologic Disease	7	0	0 -100	12	0	0 -100
Low-Risk Heart Disease	46	4	0 - 24	59	0	2 - 9
Musculoskeletal/Skin Conditions	92	1	1 - 9	76	1	0 - 13
Neuropsychiatric/Sensory Disease	13	15	0 - 96	19	0	0 - 95
Urologic Disease	26	4	0 - 94	33	0	0 - 20

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	94
Occupancy Rate (%):	35
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	40
Percent of Physicians Who Are Board Certified Specialists:	57
Interns and Residents:	0
Registered Nurses:	52
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST MARYS HOSP

2320 NORTH LAKE DRIVE
MILWAUKEE, WI 53211

Medicare Hospital Provider Number: 520051

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,103	12	8 - 13	2,044	13	10 - 14
Cancer	89	52	30 - 54	123	68	37 - 59
Cerebrovascular Accidents	58	34	16 - 42	68	26	19 - 42
Gastrointestinal Catastrophes	14	43	15 - 65	17	24	16 - 59
Infectious Disease	13	15	24 - 67	13	15	18 - 61
Metabolic/Electrolyte Disorders	25	16	11 - 46	28	18	8 - 42
Pulmonary Disease	89	25	18 - 39	79	29	14 - 37
Renal Failure	9	33	11 - 75	9	33	16 - 80
Severe Acute Heart Disease	51	49	25 - 53	52	40	26 - 54
Severe Chronic Heart Disease	68	13	13 - 31	82	12	15 - 31
Severe Trauma	12	58	7 - 62	9	11	7 - 59
Gastrointestinal Disease	88	5	1 - 14	92	2	1 - 10
Gynecologic Disease	26	0	0 -100	22	0	0 -100
Low-Risk Heart Disease	580	9	2 - 7	515	8	2 - 7
Musculoskeletal/Skin Conditions	145	1	1 - 6	128	2	1 - 8
Neuropsychiatric/Sensory Disease	134	2	1 - 9	102	5	0 - 16
Urologic Disease	66	5	0 - 70	69	0	0 - 10

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	314
Occupancy Rate (%):	63
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	166
Percent of Physicians Who Are Board Certified Specialists:	83
Interns and Residents:	25
Registered Nurses:	367
Licensed Practical Nurses:	28

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	Yes

ST. MARY'S HOSPITAL
M·I·L·W·A·U·K·E·E

Sister Julie Hanser, D.C.
PRESIDENT

October 21, 1988 Provider Number 520051

Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Enclosed please find a HCFA Mortality Data Analysis for St. Mary's Hospital of Milwaukee, Wisconsin.

I hope this analysis is considered in future use of our 1987 Medicare Mortality Data and in developing the model for future mortality data releases.

Thank you.

Sincerely,

Sister Julie Hanser
President and Chief Executive Officer

SrJ/rmd:4986a

Enclosure

cc: Daniel P. Dwyer
Paul Soczynski

HCFA MORTALITY DATA ANALYSIS

by

St. Mary's Hospital of Milwaukee
Milwaukee, Wisconsin

The following commentary is the result of a detailed analysis of the HCFA Mortality Data for St. Mary's Hospital of Milwaukee, Wisconsin, Provider Number 520051 for admissions between December 31, 1986 and December 31, 1987.

St. Mary's Hospital of Milwaukee is a 314 bed tertiary care facility. It is the oldest private hospital in the State of Wisconsin. It is a member of the Daughters of Charity National Health System, East Central Region. St. Mary's specializes in a variety of services including cardiology, cardiovascular surgery, high risk obstetrics and gynecology, hospice care, cardiac and physical rehabilitation, orthopedics, Parkinsonism and multiple sclerosis.

First of all, we continue to oppose the HCFA approach of providing information about so called "quality care" in hospitals. The use of mortality statistics is inadequate for accurately measuring the quality of care in hospitals. Although the results for our hospital in this year's edition appear to be generally positive, we do not intend to contradict our position by questioning the method only to use the data to promote our efforts. We are truly committed to quality care and to the assessment and assurance of quality care. As will be shown in this commentary, we have taken a leadership position both in our local community as well as in the largest non-profit system of health care in America, namely the Daughters of Charity National Health System, by piloting the use of severity adjusted measures of quality and efficiency.

The problems with the statistics are the following:

- HCFA has determined the expected death rate at St. Mary's of Milwaukee to be between 8-13%. As reported by HCFA, our actual rate is 12%. A closer examination of the data indicates that of the 252 deaths reported, 31 were deaths in our hospice program. These deaths have been reviewed by WIPRO, the state-wide professional review organization, working under guidelines from HCFA. According to WIPRO, all these admissions were justified utilizing the criteria that HCFA has imposed upon WIPRO.

- HCFA has acknowledged its inability to adjust for severity when releasing these data. St. Mary's Hospital of Milwaukee, however, has utilized for almost three years the Medisgroups approach to severity adjusted quality and resource utilization. The Medisgroups system collects various information about patient care including outcome and resource use. The system allows us to categorize patients on admission to severity categories 0-4. A category of 0 indicates a low degree of severity. The differences between the categories are statistically significant.

Using the Medisgroups system, we have analyzed three categories where we were either above the range of predicted mortality or where there was a significant increase in the actual mortality rate from calendar year 1987. Briefly, we would like to comment on our findings.

- For the cancer category, 89 cases were reported with 46 deaths. 31 of these 46 deaths were in our Hospice. Adjusting for these patients, the death rate decreases from 52% to 30%, which is within the expected 1987 mortality range. Three of the 15 patients expired after discharge. The admission severity using Medisgroups for all patients was 2.3.

- For severe trauma category, 12 cases were reported with seven deaths. All seven deaths involved 3rd degree burns from outside the greater Milwaukee area. Six of these patients were 68 years of age or older. Three of the seven had greater than 33% of the body surface burned. The average severity score using Medisgroups was 2.7.

- For the Low Risk Heart Disease category, 580 cases were reported with 50 deaths. The actual death rate was 8.6% compared to 2-7% expected death range. 31 of the 50 cases were referrals to St. Mary's from outside Wisconsin. 12 of the 50 patients were transfers directly from other hospitals.

  25 of the 50 cases had a Medisgroups severity of 2 or greater. Other significant findings include:

  - Three patients were 80 years of age or older.
  - 23 patients had documented diabetes.
  - 38 cases had three or more bypass grafts.
  - 15 of these cases involved a second MCR.
  - 3 of these cases involved a third MCR.
  - 17 cases had ejection fractions of 39 or below.
  - The cause of most of these deaths was related to multisystem failure.

St. Mary's Hospital of Milwaukee has a strong quality assessment program. We have taken the lead in developing and utilizing severity adjusted quality data. We support efforts to provide consumers and payors of health care services the data necessary to inform their decisions. In fact, we have worked closely with business coalitions in the Southeastern Wisconsin area in order to develop collaborative approaches to data gathering and the sharing of data.

However, we strongly disagree with the approach that has been taken by HCFA. We will continue to work toward developing more useful, accurate and appropriate tools. We invite HCFA to work more closely with us as providers of health care in developing appropriate measurements and instruments for informing those individuals who receive our services or purchase our services.

1302Q
10/88

ST MARYS HOSP

K MAIN STS
SPARTA, WI 54656

Medicare Hospital Provider Number: 520121

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	259	13	9 - 18	296	12	11 - 19
Cancer	4	25	7 - 81	1	100	3 - 99
Cerebrovascular Accidents	10	20	9 - 60	13	15	10 - 52
Gastrointestinal Catastrophes	3	67	10 - 91	3	33	10 - 90
Infectious Disease	1	100	0 - 99	1	100	0 - 99
Metabolic/Electrolyte Disorders	8	25	2 - 67	5	0	5 - 64
Pulmonary Disease	28	25	12 - 46	29	14	14 - 42
Renal Failure	2	50	4 - 93	4	100	18 - 86
Severe Acute Heart Disease	8	38	16 - 76	23	39	24 - 63
Severe Chronic Heart Disease	14	14	9 - 49	23	22	9 - 44
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	25	8	0 - 64	32	0	1 - 17
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	32	0	0 - 19	30	7	0 - 45
Musculoskeletal/Skin Conditions	14	0	0 - 94	21	0	0 - 29
Neuropsychiatric/Sensory Disease	10	0	0 -100	4	0	0 -100
Urologic Disease	5	0	0 -100	8	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	65
Occupancy Rate (%):	51
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	6
Percent of Physicians Who Are Board Certified Specialists:	83
Interns and Residents:	0
Registered Nurses:	14
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST MARYS HOSPITAL

1044 KABEL AVENUE
RHINELANDER, WI 54501

Medicare Hospital Provider Number: 520019

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	991	12	9 - 15	1,013	12	9 - 15
Cancer	28	68	35 - 70	41	63	27 - 58
Cerebrovascular Accidents	36	25	12 - 42	44	34	13 - 42
Gastrointestinal Catastrophes	10	50	13 - 70	15	20	15 - 59
Infectious Disease	14	43	12 - 62	17	12	15 - 52
Metabolic/Electrolyte Disorders	16	19	5 - 50	8	38	3 - 69
Pulmonary Disease	46	28	13 - 41	57	23	17 - 41
Renal Failure	3	100	6 - 82	2	50	7 - 97
Severe Acute Heart Disease	47	30	25 - 52	45	29	23 - 51
Severe Chronic Heart Disease	63	19	13 - 34	52	17	11 - 33
Severe Trauma	0	-	-	2	100	2 - 89
Gastrointestinal Disease	92	3	1 - 12	98	2	1 - 10
Gynecologic Disease	7	0	0 -100	13	0	0 -100
Low-Risk Heart Disease	74	5	1 - 17	85	2	1 - 11
Musculoskeletal/Skin Conditions	127	2	0 - 8	121	2	0 - 9
Neuropsychiatric/Sensory Disease	30	0	0 - 24	23	9	0 - 87
Urologic Disease	37	0	0 - 33	27	0	0 - 41

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	193
Occupancy Rate (%):	43
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	40
Percent of Physicians Who Are Board Certified Specialists:	80
Interns and Residents:	0
Registered Nurses:	64
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SACRED HEART-SAINT MARY'S
HOSPITALS, INCORPORATED

A MEMBER OF MINISTRY CORPORATION
SISTERS OF THE SORROWFUL MOTHER

October 14, 1988 Hospital Medicare # 52009

To Whom It May Concern:

Thank you for the opportunity to study and respond to the Medicare Hospital Mortality Information.

We would like to comment on the listed hospital characteristics. Saint Mary's Hospital has had a combined Intensive Care/Coronary Care Unit for over fifteen years. This Coronary Care Unit and the hospital as a whole are fully accredited by the Joint Commission on Accreditation of Healthcare Organizations. The hospital characteristics also note that there is no hospice care. While it is true that there is no inpatient hospice service, Saint Mary's Hospital does sponsor a Home Care Hospice Program under the direction of a registered nurse and with the support of community physicians.

In the mortality information itself, two areas deserve comment. The actual mortality rate for cancer patients in both years studied is near or slightly above the highest predicted rate. We have studied these cases and found that the overwhelming majority had very advanced disease with spread or metastasis of cancer to organs such as liver, lungs and brain. They had previously received both surgical and medical oncology treatments in an attempt to stop the progress of the disease, but their tumors failed to respond. Therefore death was the undesirable, but unpreventable outcome of their disease.

The second area of note is the 100% mortality of three patients in the renal disease category. We believe that three patients is much too small a group for the mortality rate to have any statistical significance. Two of these cases had been reviewed during 1987 as part of routine quality assurance activities. These reviews showed that appropriate care had been given to the patients. The third case was not reviewed as it was an out of hospital death.

Sincerely,

Carol A. Ritter

Carol A. Ritter, M.D., Chairperson
Quality Assurance Committee

CAR:mc

ST MARYS HOSPITAL MED CTR

1726 SHAWANO AVENUE
GREEN BAY, WI 54303

Medicare Hospital Provider Number: 520097

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,381	10	9 - 13	1,451	9	9 - 13
Cancer	32	34	25 - 60	45	47	25 - 56
Cerebrovascular Accidents	67	30	15 - 38	46	24	15 - 41
Gastrointestinal Catastrophes	16	31	15 - 61	13	15	15 - 59
Infectious Disease	22	23	14 - 52	15	20	17 - 60
Metabolic/Electrolyte Disorders	9	22	6 - 63	15	20	10 - 55
Pulmonary Disease	43	21	12 - 38	56	11	14 - 35
Renal Failure	7	43	12 - 81	1	100	3 - 99
Severe Acute Heart Disease	50	48	25 - 54	60	40	28 - 54
Severe Chronic Heart Disease	75	29	14 - 35	109	21	17 - 34
Severe Trauma	4	0	6 - 72	0	-	-
Gastrointestinal Disease	125	2	1 - 8	121	2	1 - 8
Gynecologic Disease	11	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	123	2	1 - 8	115	1	1 - 7
Musculoskeletal/Skin Conditions	193	2	0 - 6	231	1	0 - 5
Neuropsychiatric/Sensory Disease	25	0	0 - 44	33	0	0 - 30
Urologic Disease	77	0	0 - 9	70	1	0 - 17

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	158
Occupancy Rate (%):	51
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	154
Percent of Physicians Who Are Board Certified Specialists:	69
Interns and Residents:	0
Registered Nurses:	102
Licensed Practical Nurses:	35

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST MARYS HOSPITAL MEDICAL CENTER

707 SOUTH MILLS STREET
MADISON, WI 53715

Medicare Hospital Provider Number: 520083

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,373	10	10 - 14	3,309	10	10 - 14
Cancer	145	37	30 - 51	170	36	30 - 50
Cerebrovascular Accidents	129	26	18 - 35	130	26	18 - 35
Gastrointestinal Catastrophes	31	26	16 - 51	25	20	16 - 52
Infectious Disease	28	36	21 - 58	39	21	20 - 50
Metabolic/Electrolyte Disorders	45	16	10 - 38	46	15	14 - 41
Pulmonary Disease	107	24	18 - 37	103	23	17 - 37
Renal Failure	11	64	18 - 79	11	55	18 - 81
Severe Acute Heart Disease	167	34	29 - 47	125	28	29 - 48
Severe Chronic Heart Disease	138	22	16 - 31	138	16	18 - 32
Severe Trauma	14	14	8 - 52	9	11	6 - 58
Gastrointestinal Disease	244	2	2 - 7	219	1	1 - 6
Gynecologic Disease	39	0	0 -100	34	0	0 -100
Low-Risk Heart Disease	391	2	2 - 6	419	4	2 - 6
Musculoskeletal/Skin Conditions	385	2	1 - 5	396	2	1 - 5
Neuropsychiatric/Sensory Disease	164	4	1 - 10	166	2	1 - 7
Urologic Disease	152	1	0 - 6	160	1	0 - 6

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 357
Occupancy Rate (%): 67
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 269
Percent of Physicians Who Are Board Certified Specialists: 87
Interns and Residents: 0
Registered Nurses: 346
Licensed Practical Nurses: 35

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: Yes
Hospice Care: No

707 South Mills Street
Madison, WI 53715-0450
608 251 6100

St. Marys
Hospital Medical Center
Madison, WI

Hospital ID 520083

October 24, 1988

William L. Roper, M.D.
Administrator
Health Care Financing Administration
Department of Health and Human Services
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, MD 21207

Dear Dr. Roper:

We at St. Marys have received the HCFA Mortality Data pertinent to our institution and have reviewed it thoroughly.

Our initial reaction is to congratulate the Bureau on the changes that have been made in response to the comments submitted last year. These changes have made a significant different in the St. Marys results from 1987. Increased consistencies will allow this complicated information to be more easily understood by the consumer.

We did, however, identify an error in the data that was obtained from the American Hospital Association 1986 annual survey. Please correct the bed size of St. Marys Hospital Medical Center from 188 to 333. This figure can be substantiated by accurate interpretation of the 1986 AHA data.

Again, your efforts to improve the data presented are appreciated.

Sincerely,

Barbara K Miller

Barbara K. Miller
Vice President

ST MARYS KEWAUNEE AREA MEMORIAL HOSP

1ST AND LINCOLN STS
KEWAUNEE, WI 54216

Medicare Hospital Provider Number: 520111

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	147	18	11 - 24	157	18	13 - 26
Cancer	4	75	8 - 82	2	100	9 - 93
Cerebrovascular Accidents	7	0	9 - 54	7	14	4 - 63
Gastrointestinal Catastrophes	0	-	-	2	50	3 - 92
Infectious Disease	0	-	-	2	0	6 - 90
Metabolic/Electrolyte Disorders	1	100	1 - 97	4	75	13 - 86
Pulmonary Disease	13	54	12 - 63	19	37	18 - 60
Renal Failure	0	-	-	1	0	1 - 97
Severe Acute Heart Disease	14	36	23 - 70	14	14	24 - 63
Severe Chronic Heart Disease	12	8	11 - 50	10	30	8 - 62
Severe Trauma	1	0	0 - 98	0	-	-
Gastrointestinal Disease	13	0	0 - 78	9	0	0 -100
Gynecologic Disease	2	0	0 -100	0	-	-
Low-Risk Heart Disease	16	6	0 - 72	16	0	0 - 40
Musculoskeletal/Skin Conditions	12	8	0 -100	9	0	0 - 96
Neuropsychiatric/Sensory Disease	2	0	0 -100	4	0	0 -100
Urologic Disease	1	0	0 -100	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	30
Occupancy Rate (%):	20
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	57
Interns and Residents:	0
Registered Nurses:	8
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST MARYS MEDICAL CTR

3801 SPRING ST
RACINE, WI 53405

Medicare Hospital Provider Number: 520096

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,354	11	9 - 13	2,335	13	9 - 14
Cancer	50	32	22 - 51	57	40	26 - 54
Cerebrovascular Accidents	105	25	17 - 35	109	34	18 - 38
Gastrointestinal Catastrophes	31	26	24 - 59	25	24	15 - 53
Infectious Disease	35	20	21 - 51	32	31	22 - 57
Metabolic/Electrolyte Disorders	26	23	12 - 48	31	29	8 - 45
Pulmonary Disease	93	29	17 - 38	103	24	16 - 36
Renal Failure	8	38	8 - 75	5	60	6 - 81
Severe Acute Heart Disease	94	41	28 - 50	103	39	29 - 50
Severe Chronic Heart Disease	150	25	14 - 29	141	26	16 - 32
Severe Trauma	6	50	4 - 75	4	25	2 - 81
Gastrointestinal Disease	204	1	1 - 6	133	4	0 - 11
Gynecologic Disease	17	0	0 -100	16	0	0 -100
Low-Risk Heart Disease	317	3	1 - 6	275	2	1 - 6
Musculoskeletal/Skin Conditions	242	2	0 - 6	236	3	1 - 7
Neuropsychiatric/Sensory Disease	47	4	0 - 28	53	2	0 - 23
Urologic Disease	145	1	0 - 8	149	1	0 - 10

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	216
Occupancy Rate (%):	69
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	187
Percent of Physicians Who Are Board Certified Specialists:	61
Interns and Residents:	0
Registered Nurses:	220
Licensed Practical Nurses:	41

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST MICHAEL HOSPITAL

2400 WEST VILLARD AVENUE
MILWAUKEE , WI 53209

Medicare Hospital Provider Number: 520040

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,692	13	11 - 15	2,578	12	11 - 15
Cancer	97	38	29 - 53	81	41	28 - 53
Cerebrovascular Accidents	114	33	21 - 40	114	29	18 - 37
Gastrointestinal Catastrophes	19	53	15 - 60	26	31	17 - 55
Infectious Disease	27	37	21 - 59	24	25	18 - 55
Metabolic/Electrolyte Disorders	46	17	10 - 38	53	25	13 - 42
Pulmonary Disease	119	26	17 - 35	118	31	21 - 40
Renal Failure	21	38	14 - 68	14	36	11 - 70
Severe Acute Heart Disease	115	37	30 - 51	102	39	32 - 53
Severe Chronic Heart Disease	167	23	18 - 33	151	23	17 - 32
Severe Trauma	2	0	1 - 90	4	0	5 - 72
Gastrointestinal Disease	205	3	1 - 8	197	3	1 - 8
Gynecologic Disease	20	0	0 -100	22	0	0 -100
Low-Risk Heart Disease	243	2	2 - 6	196	4	2 - 8
Musculoskeletal/Skin Conditions	336	2	1 - 5	316	2	1 - 5
Neuropsychiatric/Sensory Disease	115	4	1 - 12	81	1	0 - 11
Urologic Disease	127	2	0 - 9	100	3	0 - 18

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	405
Occupancy Rate (%):	66
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	266
Percent of Physicians Who Are Board Certified Specialists:	70
Interns and Residents:	0
Registered Nurses:	307
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

St
MICHAEL
HOSPITAL
2400 west villard avenue milwaukee, wisconsin 53209 tel (414) 527-8000

October 21, 1988

William L. Roper, M.D., Administrator
Health Care Financing Administration
Health Standards and Quality Bureau
P.O. Box 26684
Baltimore, MD 21207

Medicare Provider #52-0040

Dear Doctor Roper:

The mortality data on Medicare patients assembled by HCFA suggests that patient mortality at St. Michael Hospital falls within predicted ranges. We are extremely proud of the quality of care delivered to patients at our facility. Despite our favorable comparison, however, St. Michael Hospital remains seriously concerned about the release of information in this format. Our evaluation of this data, as highlighted below, helps to demonstrate how misleading selected statistics can be.

The category of Gastrointestinal Catastrophe contains a large number of different principle diagnoses (39) which completely compromise the ability to compare patients in this group from a mortality standpoint. The degree of mortal risk associated with each of the 39 diagnoses varies widely. Five of the ten deaths recorded at St. Michael Hospital within this category were for patients whose principle diagnosis was that of Acute Vascular Insufficiency of the Intestine (a bowel infarction). This is an extremely serious, often fatal condition. For example, only one of six patients at St. Michael survived this condition in calendar year 1987, and only one of five in 1986. If this one diagnosis was not grouped with the other 38 diagnoses, St. Michael's mortality rate would drop from 53% to 26%.

The Infectious Disease category further demonstrates problems with broad diagnostic groups. First, all of the patients who expired at St. Michael Hospital in this category had a principle diagnosis of septicemia. Septicemia is a serious, life-threatening condition, and yet was only one of 17 possible groups in this diagnostic category. Second, HCFA categorizes patients by principle diagnosis. The principle diagnosis is not always the cause of death. One of the patients in this category actually expired from a pulmonary condition. Third, categorization by principle diagnosis does not consider co-existing conditions. Such conditions can severely compromise the ability of a patient to survive the condition which lead to hospitalization. We found that nine of the patients who ex-

A Member of the Wheaton Franciscan System

pired had been admitted with serious coexisting conditions, such as metastatic cancer. Fourth, four patients in this category expired while in a nursing home, after discharge from St. Michael Hospital. Fifth, nearly half (7 of 15) of the patients who expired were 80 years old or older. The mean age of all the expired patients was 79. The oldest patient was 92.

We also reviewed the category of Neuropsychiatric and Sensory Disease. Here again, we find problems related to the inappropriate grouping of diagnostic groups. Three of the eleven patients who expired had a cause of death which differed from the principle diagnosis. All three would have been reported in a different category if the statistical group were organized by cause of death (cerebral vascular accident, congestive heart failure, pneumonia). Most patients in this category had coexisting conditions and many expired months after discharge (according to the HCFA report).

In summary, our review confirms our concern that this mortality data is extremely misleading in the form released by HCFA. We recognize that the Federal government and the public have a legitimate interest in information relative to the quality of hospital care available to them. However, we remain concerned that the goal of HCFA's program is to generate information which is measurable, not that which is important.

Sincerely,

Rick W. Hart

Rick W. Hart
Vice President

JAC/ko

cc: Hospital Council of Greater Milwaukee Area
Wisconsin Hospital Association

ST MICHAELS HOSP

900 ILLINOIS ST
STEVENS POINT, WI 54481

Medicare Hospital Provider Number: 520002

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,151	13	11 - 16	1,145	11	10 - 15
Cancer	50	40	28 - 58	23	57	21 - 62
Cerebrovascular Accidents	54	26	17 - 41	43	33	15 - 44
Gastrointestinal Catastrophes	10	70	17 - 71	14	29	16 - 64
Infectious Disease	14	29	12 - 60	13	23	21 - 68
Metabolic/Electrolyte Disorders	16	31	9 - 56	10	10	4 - 54
Pulmonary Disease	52	17	17 - 40	56	13	16 - 37
Renal Failure	11	0	13 - 61	11	45	8 - 72
Severe Acute Heart Disease	48	46	29 - 58	50	40	27 - 55
Severe Chronic Heart Disease	68	16	14 - 33	72	25	17 - 38
Severe Trauma	1	0	0 - 98	0	-	-
Gastrointestinal Disease	100	2	2 - 10	117	0	1 - 6
Gynecologic Disease	6	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	66	5	1 - 17	86	2	1 - 11
Musculoskeletal/Skin Conditions	153	3	1 - 9	135	2	1 - 9
Neuropsychiatric/Sensory Disease	45	2	0 - 19	40	2	0 - 29
Urologic Disease	58	0	0 - 13	56	2	0 - 27

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	129
Occupancy Rate (%):	61
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	67
Percent of Physicians Who Are Board Certified Specialists:	63
Interns and Residents:	0
Registered Nurses:	120
Licensed Practical Nurses:	9

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SAINT MICHAEL'S HOSPITAL

A MEMBER OF MINISTRY CORPORATION
SISTERS OF THE SORROWFUL MOTHER

October 21, 1988

William L. Roper, M.D.
Administrator
Health Standards and Quality Bureau, HCFA
6325 Security Boulevard
Baltimore, Maryland 21207

Medicare
Provider Number:520002

Dear Dr. Roper:

This is in response to the upcoming release of HCFA Mortality Data. While St. Michael's hospital is well within the predicted normal range it is our opinion that mortality alone is not a definitive measurement of judging quality care in our institution. In lieu of this fact, we feel the general public should be be made aware that mortality is not the sole indicator of quality.

Our findings indicate that 35 patients died within 24 hours of admission to the hospital, however since severity (i.e., how ill the patient was at the time of admission, whether the patient had a terminal illness or the patient's psycological state or general health status) is not a component in the statistical model the public may misinterpret this. Your data can also be easily be misinterpreted because it only includes the Medicare popultation (with our average age being 77.6) and does not include all patients in the same categories receiving treatment at our hospital.

St. Michael's Hospital has prided itself on a systematic, routine and comprehensive patient care monitoring and evaluation system. We have found that by evaluating individual cases, as well as monitoring this accumulative data for trends, we can identify areas needing improvement. In turn, any indication of a potential quality problem leads to a prompt investigation to determine if a problem exists and, if necessary, that corrective action be taken. In addition, all departments within the hospital have the responsibility of monitoring day-to-day operations and practices to improve the quality and efficiency of care.

Sincerely,

Jeffrey L. Martin

Jeffrey Martin
President
St. Michael's Hospital

ST NICHOLAS HOSP

1601 N TAYLOR DR
SHEBOYGAN, WI 53081

Medicare Hospital Provider Number: 520044

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,334	13	10 - 15	1,481	15	10 - 15
Cancer	57	42	26 - 55	47	55	24 - 55
Cerebrovascular Accidents	71	30	17 - 39	64	34	15 - 40
Gastrointestinal Catastrophes	15	47	13 - 63	9	33	12 - 70
Infectious Disease	16	25	12 - 56	22	27	17 - 57
Metabolic/Electrolyte Disorders	20	25	8 - 50	19	37	6 - 52
Pulmonary Disease	54	30	15 - 41	64	39	13 - 39
Renal Failure	4	0	12 - 79	8	75	15 - 79
Severe Acute Heart Disease	57	42	26 - 53	72	47	27 - 52
Severe Chronic Heart Disease	75	21	13 - 33	84	37	16 - 38
Severe Trauma	1	100	0 - 97	0	-	-
Gastrointestinal Disease	91	4	1 - 13	106	4	0 - 13
Gynecologic Disease	16	0	0 -100	11	0	0 -100
Low-Risk Heart Disease	118	4	1 - 11	127	6	1 - 12
Musculoskeletal/Skin Conditions	177	3	1 - 8	195	4	1 - 9
Neuropsychiatric/Sensory Disease	40	2	0 - 38	30	7	0 - 86
Urologic Disease	60	0	0 - 12	65	3	0 - 22

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	145
Occupancy Rate (%):	52
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	133
Percent of Physicians Who Are Board Certified Specialists:	55
Interns and Residents:	0
Registered Nurses:	131
Licensed Practical Nurses:	15

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST. NICHOLAS HOSPITAL

1601 NORTH TAYLOR DR. • SHEBOYGAN, WISCONSIN 53081-2496 • (414) 459-8300

October 20, 1988

William L. Roper, M.D.
Administrator
Health Care Financing Administration
Health Standards and Quality Bureau
Hospital Mortality Information
Room 220 - Meadows East Building
Baltimore, Maryland 21207

Dear Dr. Roper:

Thank you for this opportunity to respond to the release of data on hospital mortality rates for Medicare patients treated in our facility during calendar year 1987. Since receiving the report dated September 15, 1988, St. Nicholas Hospital staff has had an opportunity to review the data. The following information for St. Nicholas Hospital is to be attached to the Hospital Specific Report prior to public disclosure.

St. Nicholas Hospital is a JCAHO accredited, 185 bed, acute care facility, whose case mix includes many patients with major medical and surgical illnesses. It is a full-service medical center offering care in specialty areas of oncology; radiation therapy; major vascular surgery; major orthopedic services; rehabilitative medicine, including a comprehensive cardiac rehabilitation program; renal dialysis; sleep and eating disorders diagnosis and treatment centers; surgical and medical intensive care unit; as well as general medicine and surgery.

The medical staff of St. Nicholas Hospital conducts an intensive review of the medical record of every patient who expires at this facility regarding medical management and overall care. Mortality review is an ongoing process of the quality assurance program. Peer review activites are an integral part of the monitoring of the health care delivery system at this hospital.

The hospital specific mortality data reported by HCFA has been carefully reviewed by our hospital administrators, president of the medical staff, medical staff department chairmen, utilization review coordinator, and the director of medical records.

The data used by HCFA indicates that a total of 1,334 Medicare patients were admitted to St. Nicholas Hospital in 1987. Our own records indicate that 1967 Medicare admissions occurred, accounting for 32 percent of our total admissions in 1987. Presumably the discrepancy reflects multiple admissions of individual patients to our hospital. The data further indicates that 179 patients died within 30 days of admission to our facility. Of these, 76 percent died while still a patient of the hospital, while 24 percent died after discharge. The director of medical records has validated, with minor exceptions, the data provided is accurate. (Corrections are attached.)

The mortality rates at St. Nicholas Hospital fall within HCFA's predicted ranges except for one category, severe trauma, involving a patient who did not expire at our facility. (The correction is attached.) Also, the number of cases in this and several other categories is too small to give a statistically valid or informative result.

This study by HFCA addresses the "average hospital patient." Actual mortality rates can be higher or lower than the predicted rates because the patients treated, or the care provided by the hospital, differs from the patients or care provided in the "average" hospital. There are many variables involved when studying patient mix. For example, how well the patient was at the time of admission, was the patient transferred from a nursing home, was the patient receiving treatment at home prior to admission, did the patient have a terminal illness; and, if the patient died after discharge, can the death be attributed to the reason for admission to the hosptial.

We firmly believe that ongoing quality assurance activities, as well as intensive peer review, are the most effective methods of validating the appropriateness of the care provided. The use of statistical norms can facilitate peer review by calling attention to unusual patterns or by challenging complacency and encouraging a critical reexamination of practices within our hospital. By themselves, statistical norms cannot identify the changes that will lead to improvements in quality.

St. Nicholas Hospital recognizes that consumers have a legitimate interest in obtaining useful, reliable information on the quality of care available to them. We also recognize and strongly believe that mortality rates, by themselves, do not measure quality. However, we will continue to further analyze this data because we recognize its usefulness as a guide or tool to focus peer review.

Quality of care is of the utmost concern to St. Nicholas Hospital's governing board, administration, medical staff, and employees. As has always been our practice, we will continue to review all mortality cases for quality and appropriateness of care rendered to the individual patient. We view continued analysis of trends as a constant endeavor to assist in identifying opportunites to improve care.

Thank you for the opportunity to present this response.

Sincerely,

John F Schwalbach

Michael E. Zilm
Executive Vice President

John F. Schwalbach, M.D.
Medical Staff President

Attachments

MEZ:JFS/agl

ST VINCENT HOSPITAL

835 S VAN BUREN
GREEN BAY, WI 54301

Medicare Hospital Provider Number: 520075

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,805	10	10 - 14	2,747	12	11 - 15
Cancer	131	28	27 - 48	141	33	27 - 48
Cerebrovascular Accidents	132	23	18 - 34	166	28	19 - 35
Gastrointestinal Catastrophes	18	28	21 - 64	26	31	18 - 57
Infectious Disease	30	30	26 - 61	33	21	24 - 57
Metabolic/Electrolyte Disorders	33	21	18 - 51	20	5	11 - 41
Pulmonary Disease	122	18	17 - 34	118	21	18 - 36
Renal Failure	19	21	18 - 69	17	53	18 - 75
Severe Acute Heart Disease	109	35	28 - 48	118	40	28 - 48
Severe Chronic Heart Disease	125	16	16 - 31	135	21	16 - 32
Severe Trauma	11	64	11 - 66	6	0	7 - 60
Gastrointestinal Disease	179	3	1 - 8	166	7	1 - 11
Gynecologic Disease	22	0	0 -100	23	0	0 -100
Low-Risk Heart Disease	220	4	2 - 8	185	3	2 - 8
Musculoskeletal/Skin Conditions	440	2	1 - 5	377	1	1 - 4
Neuropsychiatric/Sensory Disease	98	0	1 - 7	96	5	0 - 18
Urologic Disease	137	1	1 - 7	140	2	0 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	438
Occupancy Rate (%):	59
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	245
Percent of Physicians Who Are Board Certified Specialists:	73
Interns and Residents:	0
Registered Nurses:	408
Licensed Practical Nurses:	75

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

P.O. Box 13508
Green Bay, WI 54307-3508
414 433-0111

St.Vincent
Hospital

October 14, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Hospital Provider # 520075

To Whom It May Concern:

The information provided to St. Vincent Hospital by the Health Care Financing Administration appears to be accurate with the exception of the hospital characteristics. St. Vincent is licensed for 547 beds, not the 158 as listed on the information we received from the agency.

St. Vincent Hospital's mortality figures fall within or below predicted limits in all of the categories measured here. However, we again must question the validity and use of the information to imply a measure of quality of care. Our concerns are as follows:

> The data does not reflect the severity of patients treated by a hospital.
>
> St. Vincent Hospital is a regional referral center which gets the most seriously ill and injured patients from Northeastern Wisconsin and Upper Michigan. The hospital is inappropriately compared to smaller hospitals that transfer difficult cases elsewhere.
>
> We believe it is misleading to compare dissimilar hospitals. St. Vincent hospital offers specialty services such as emergency and trauma care, cancer treatment and renal dialysis which, by their nature, have a higher mortality rate. Hospitals that don't offer these services would not have the same impact on mortality rates.
>
> The data does not reflect the true cause of death in some cases.
>
> The figures here are based upon deaths occurring within 30 days of a patient's admission to a hospital and categorized

according to the primary reason for that particular hospitalization. But the data does not indicate if the death was related to the hospitalization.

For example: A patient is hospitalized for an orthopedic procedure. All goes well, he is discharged and on his way home he is struck and killed by a car. In the data listed here, the death would be listed under orthopedics because it was within 30 days of his hospitalization for that procedure.

The data should not be used to measure quality of care since it excludes significant factors contributing to the cause of death.

The HCFA data includes all deaths within 30 days of admission whether the deaths were expected or not. The data does not take into account a patient's pre-existing terminal condition or the stage of an illness when the patient enters the hospital. If a patient is admitted to the hospital in the final stages of a terminal disease, the best care possible could not change the outcome. Yet, the figures here do not indicate such significant contributing factors.

Also excluded are other factors such as medical history, age and psychological condition which could have an impact on the cause of death.

Some of the data is not statistically valid based on the number of cases and variance.

In some of the diagnostic categories where the number of cases is very low, even one or two deaths can significantly change the overall mortality rate. These percentages are misleading and distort the public perception of the actual death rate.

We commend any effort to improve the quality of hospital care. However, we seriously question the use of HCFA data for this purpose.

At St. Vincent Hospital we will continue to individually review all cases of patients who died here. We continue to believe that a thorough review of the care and factors contributing to their deaths will be of greater benefit to our patients than statistics alone.

Sincerely,

Joseph J. Neidenbach

Joseph J. Neidenbach
Administrator

STOUGHTON COMMUNITY HOSPITAL

900 RIDGE STREET
STOUGHTON, WI 53589

Medicare Hospital Provider Number: 520014

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	433	14	9 - 16	434	13	9 - 17
Cancer	8	63	18 - 78	15	47	20 - 68
Cerebrovascular Accidents	19	53	10 - 54	17	6	15 - 45
Gastrointestinal Catastrophes	3	33	3 - 86	4	25	5 - 80
Infectious Disease	7	14	11 - 68	6	17	5 - 69
Metabolic/Electrolyte Disorders	2	50	0 - 96	3	33	2 - 87
Pulmonary Disease	33	30	13 - 46	18	17	9 - 47
Renal Failure	1	0	1 - 97	2	0	2 - 89
Severe Acute Heart Disease	16	44	24 - 70	20	45	26 - 68
Severe Chronic Heart Disease	25	16	8 - 40	23	26	8 - 45
Severe Trauma	0	-	-	2	100	2 - 89
Gastrointestinal Disease	25	8	0 - 87	40	7	0 - 38
Gynecologic Disease	6	0	0 -100	0	-	-
Low-Risk Heart Disease	38	0	1 - 13	21	10	0 - 65
Musculoskeletal/Skin Conditions	67	1	1 - 12	66	2	1 - 11
Neuropsychiatric/Sensory Disease	16	0	0 - 59	25	0	0 - 67
Urologic Disease	13	0	0 - 99	17	0	0 - 69

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	64
Occupancy Rate (%):	45
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	48
Percent of Physicians Who Are Board Certified Specialists:	71
Interns and Residents:	0
Registered Nurses:	37
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SUPERIOR MEM HOSP

3500 TOWER AVE
SUPERIOR, WI 54880

Medicare Hospital Provider Number: 520058

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	797	11	9 - 15	886	14	10 - 15
Cancer	8	88	14 - 66	13	69	16 - 65
Cerebrovascular Accidents	37	22	16 - 43	42	45	14 - 44
Gastrointestinal Catastrophes	7	43	12 - 76	10	50	7 - 66
Infectious Disease	9	33	13 - 70	8	0	13 - 55
Metabolic/Electrolyte Disorders	9	33	5 - 65	13	54	3 - 60
Pulmonary Disease	45	29	11 - 39	50	12	15 - 37
Renal Failure	6	67	13 - 83	1	0	1 - 97
Severe Acute Heart Disease	59	22	27 - 50	66	44	28 - 54
Severe Chronic Heart Disease	42	21	12 - 38	58	22	14 - 37
Severe Trauma	0	-	-	3	0	3 - 79
Gastrointestinal Disease	67	0	1 - 9	65	2	1 - 12
Gynecologic Disease	14	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	93	5	0 - 16	103	3	1 - 10
Musculoskeletal/Skin Conditions	80	0	0 - 8	93	3	0 - 20
Neuropsychiatric/Sensory Disease	25	0	0 - 67	26	0	0 - 51
Urologic Disease	36	0	0 - 28	42	2	0 - 29

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 58
Occupancy Rate (%): 58
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 79
Percent of Physicians Who Are Board Certified Specialists: 65
Interns and Residents: 0
Registered Nurses: 60
Licensed Practical Nurses: 15

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

THEDA CLARK MEM HOSP

130 2ND ST
NEENAH, WI 54956

Medicare Hospital Provider Number: 520045

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,127	10	8 - 12	2,106	9	8 - 13
Cancer	67	54	25 - 52	88	35	28 - 52
Cerebrovascular Accidents	65	25	17 - 39	68	24	18 - 39
Gastrointestinal Catastrophes	13	38	20 - 71	20	15	16 - 53
Infectious Disease	19	26	14 - 55	16	25	13 - 57
Metabolic/Electrolyte Disorders	20	15	8 - 46	23	22	7 - 46
Pulmonary Disease	68	24	14 - 37	53	25	13 - 38
Renal Failure	3	33	1 - 90	10	30	16 - 78
Severe Acute Heart Disease	95	31	27 - 48	88	35	28 - 50
Severe Chronic Heart Disease	84	24	15 - 35	83	13	16 - 32
Severe Trauma	5	0	3 - 65	4	25	4 - 80
Gastrointestinal Disease	140	5	1 - 11	133	2	1 - 8
Gynecologic Disease	20	0	0 -100	23	4	0 -100
Low-Risk Heart Disease	285	2	2 - 6	272	4	1 - 7
Musculoskeletal/Skin Conditions	306	3	0 - 6	295	1	1 - 5
Neuropsychiatric/Sensory Disease	131	4	1 - 11	133	1	0 - 7
Urologic Disease	95	0	0 - 7	112	2	0 - 10

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	326
Occupancy Rate (%):	68
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	127
Percent of Physicians Who Are Board Certified Specialists:	76
Interns and Residents:	0
Registered Nurses:	305
Licensed Practical Nurses:	61

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

TOMAH MEMORIAL HOSPITAL

321 BUTTS AVENUE
TOMAH, WI 54660

Medicare Hospital Provider Number: 520144

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	313	12	11 - 19	333	11	11 - 18
Cancer	9	44	21 - 79	6	83	18 - 79
Cerebrovascular Accidents	13	15	12 - 54	15	7	14 - 46
Gastrointestinal Catastrophes	2	50	1 - 92	1	100	1 - 97
Infectious Disease	6	33	14 - 80	3	0	3 - 79
Metabolic/Electrolyte Disorders	6	0	6 - 59	8	50	10 - 72
Pulmonary Disease	29	34	13 - 48	25	24	15 - 50
Renal Failure	1	100	3 - 99	1	0	0 - 97
Severe Acute Heart Disease	11	27	17 - 68	15	27	21 - 65
Severe Chronic Heart Disease	23	26	16 - 52	27	22	12 - 44
Severe Trauma	0	-	-	1	100	2 - 97
Gastrointestinal Disease	37	0	0 - 22	30	0	0 - 23
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	37	5	1 - 25	37	0	1 - 15
Musculoskeletal/Skin Conditions	27	0	0 - 43	30	0	0 - 30
Neuropsychiatric/Sensory Disease	7	0	0 -100	7	0	0 -100
Urologic Disease	6	0	0 -100	9	22	0 - 96

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	45
Occupancy Rate (%):	31
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	8
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	0
Registered Nurses:	30
Licensed Practical Nurses:	1

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Tomah Memorial Hospital, Inc.
Building a Reputation for Excellence

October 20, 1988

William L. Roper, M.D., Administrator
Department of Health and Human Services
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Sir:

We have received and reviewed our hospital specific mortality data. Errors in the data we received have been identified and corrected on a separate sheet.

Although our actual mortality rates fall within the predicted ranges for our facility in all categories but one, we would refrain from making quality related conclusions based on this data for two reasons.

Numbers for our rural facility are so small in the various categories that they become statistically unreliable. Hence one case resulting in death could indicate a 100% mortality rate for a particular category.

Also, an appropriate assessment of a hospital's quality of care depends upon the review of many different variables. To assure it's goal of providing quality patient care, Tomah Memorial Hospital operates a system-wide quality assurance program which provides for the regular examination of many different quality indicators to gauge performance and which recognizes that mortality review is, in itself, only one indicator which may or may not reflect quality. As part of this program, such a review is conducted by the Medical Staff on an ongoing, case-by-case basis.

Sincerely,

TOMAH MEMORIAL HOSPITAL, INC.

David L Hill

David L. Hill, Administrator

TRI COUNTY MEMORIAL HOSP

1801 LINCOLN ST
WHITEHALL, WI 54773

Medicare Hospital Provider Number: 520122

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	183	9	11 - 20	168	13	11 - 22
Cancer	1	0	0 - 99	1	100	0 - 98
Cerebrovascular Accidents	7	29	3 - 69	9	44	9 - 68
Gastrointestinal Catastrophes	2	50	3 - 92	0	-	-
Infectious Disease	8	13	10 - 63	3	0	4 - 79
Metabolic/Electrolyte Disorders	1	100	0 - 99	3	0	1 - 86
Pulmonary Disease	28	18	15 - 46	20	25	16 - 55
Renal Failure	0	-	-	1	0	1 - 97
Severe Acute Heart Disease	8	25	17 - 74	10	30	14 - 68
Severe Chronic Heart Disease	16	0	13 - 36	17	24	10 - 51
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	15	0	0 - 92	11	0	0 - 99
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	10	0	0 - 96	11	0	0 - 84
Musculoskeletal/Skin Conditions	7	0	0 -100	12	0	0 -100
Neuropsychiatric/Sensory Disease	12	0	0 -100	15	0	0 - 67
Urologic Disease	1	0	0 -100	1	100	0 - 98

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	44
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	13
Licensed Practical Nurses:	10

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

TRINITY MEM HOSP

5900 SOUTH LAKE DRIVE
CUDAHY, WI 53110

Medicare Hospital Provider Number: 520056

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,612	12	11 - 16	1,664	13	12 - 17
Cancer	63	46	33 - 60	60	52	33 - 61
Cerebrovascular Accidents	66	26	18 - 40	79	24	18 - 39
Gastrointestinal Catastrophes	8	25	10 - 68	12	17	23 - 69
Infectious Disease	20	25	19 - 59	16	25	18 - 62
Metabolic/Electrolyte Disorders	21	29	12 - 54	14	36	10 - 60
Pulmonary Disease	107	17	18 - 36	88	36	21 - 44
Renal Failure	4	50	5 - 84	4	25	11 - 87
Severe Acute Heart Disease	52	38	26 - 53	66	45	27 - 53
Severe Chronic Heart Disease	112	23	16 - 33	114	18	17 - 33
Severe Trauma	0	-	-	2	0	1 - 90
Gastrointestinal Disease	139	4	1 - 10	138	5	2 - 11
Gynecologic Disease	7	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	249	2	2 - 6	224	1	3 - 6
Musculoskeletal/Skin Conditions	144	3	1 - 8	171	3	1 - 8
Neuropsychiatric/Sensory Disease	34	3	1 - 23	36	0	0 - 17
Urologic Disease	46	9	0 - 59	46	4	0 - 27

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	144
Occupancy Rate (%):	64
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	91
Percent of Physicians Who Are Board Certified Specialists:	81
Interns and Residents:	0
Registered Nurses:	159
Licensed Practical Nurses:	36

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Medicare Provider #52-0056

TRINITY MEMORIAL HOSPITAL

5900 SOUTH LAKE DRIVE • CUDAHY, WISCONSIN 53110 • 414/769-9000

October 22, 1988

CERTIFIED MAIL

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

Trinity Memorial Hospital would like to thank you for the opportunity to respond to the Medicare Hospital Mortality Information which the Health Care Financing Administration (HCFA) plans to publish about all short term acute care hospitals which treated Medicare patients in 1987.

Trinity Memorial Hospital is approved by the State of Wisconsin as a 275 bed short term acute care hospital. The institution, which is located approximately nine miles south of downtown Milwaukee in the community of Cudahy, Wisconsin, provides a broad range of medical and surgical services to the communities located within Southern Milwaukee County. As a part of its full range of services, Trinity offers very sophisticated gastrointestinal services, cancer services including radiation therapy, intensive cardiac care services, and obstetrics-gynecology services. Because of Trinity Memorial Hospital's geographic location, it also serves a large population in a very active emergency services department.

The mortality data which has been submitted to us by HCFA has been reviewed by Trinity Memorial Hospital's Quality Assurance Coordinator. Through this review, it appears as if the data accurately reflects those Medicare patients served by Trinity Memorial Hospital during 1987. Quality Review has always been and shall remain a very high priority for the entire Trinity Memorial Hospital organization. We take very seriously our responsibility for assuring that quality care is rendered to our patients through a very active clinical departmental review of not only cases of mortality, but all aspects of patient care. Because of the wide variety of quality assurance activities, the hospital's mortality data should be viewed as only one of many indicators of the quality of care that Trinity Memorial Hospital provides.

Again, thank you for this opportunity to comment.

Sincerely,

James E. Bagley

James E. Bagley
Interim President/CEO

bk

TWO RIVERS COMMUNITY HOSPITAL

2500 GARFIELD STREET
TWO RIVERS, WI 54241

Medicare Hospital Provider Number: 520034

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	336	12	10 - 18	343	16	9 - 18
Cancer	7	43	16 - 79	4	50	9 - 85
Cerebrovascular Accidents	22	14	15 - 47	21	29	16 - 54
Gastrointestinal Catastrophes	5	0	7 - 65	8	75	11 - 69
Infectious Disease	7	29	10 - 72	6	33	3 - 73
Metabolic/Electrolyte Disorders	2	0	5 - 89	7	43	5 - 71
Pulmonary Disease	12	17	7 - 53	18	28	8 - 50
Renal Failure	3	67	10 - 92	2	0	9 - 93
Severe Acute Heart Disease	11	55	16 - 70	17	47	23 - 68
Severe Chronic Heart Disease	24	29	10 - 47	18	44	7 - 53
Severe Trauma	1	0	3 - 98	0	-	-
Gastrointestinal Disease	29	0	0 - 26	26	4	0 - 62
Gynecologic Disease	2	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	35	3	0 - 25	34	9	1 - 29
Musculoskeletal/Skin Conditions	24	4	0 - 39	31	0	0 - 37
Neuropsychiatric/Sensory Disease	7	0	0 -100	9	0	0 -100
Urologic Disease	11	0	0 -100	20	0	0 - 45

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	138
Occupancy Rate (%):	70
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	21
Percent of Physicians Who Are Board Certified Specialists:	95
Interns and Residents:	0
Registered Nurses:	38
Licensed Practical Nurses:	10

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

UNIVERSITY OF WISCONSIN HOSPITALS

600 HIGHLAND AVE
MADISON, WI 53705

Medicare Hospital Provider Number: 520098

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,334	9	10 - 14	2,406	9	10 - 14
Cancer	160	31	32 - 52	166	25	34 - 53
Cerebrovascular Accidents	33	18	12 - 40	31	29	12 - 45
Gastrointestinal Catastrophes	37	30	21 - 55	26	27	17 - 55
Infectious Disease	12	50	13 - 66	11	27	17 - 69
Metabolic/Electrolyte Disorders	31	23	11 - 46	33	15	10 - 41
Pulmonary Disease	63	22	14 - 37	57	30	16 - 42
Renal Failure	79	8	3 - 50	86	8	3 - 53
Severe Acute Heart Disease	59	36	22 - 48	66	39	24 - 49
Severe Chronic Heart Disease	48	17	15 - 37	61	26	15 - 39
Severe Trauma	7	14	7 - 66	13	38	7 - 61
Gastrointestinal Disease	94	4	1 - 12	107	5	1 - 12
Gynecologic Disease	21	5	0 -100	27	0	0 -100
Low-Risk Heart Disease	232	4	2 - 8	217	4	2 - 8
Musculoskeletal/Skin Conditions	202	1	1 - 6	227	1	1 - 5
Neuropsychiatric/Sensory Disease	220	1	1 - 6	259	2	1 - 6
Urologic Disease	74	4	0 - 37	73	0	0 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	503
Occupancy Rate (%):	71
Ownership/Control:	State Government

STAFFING

Total Number of Physicians:	378
Percent of Physicians Who Are Board Certified Specialists:	82
Interns and Residents:	327
Registered Nurses:	672
Licensed Practical Nurses:	13

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	Yes
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

University of Wisconsin
Hospital and Clinics
600 Highland Avenue, Madison, Wisconsin 53792

Center for Health Sciences
University of Wisconsin-Madison

20 October, 1988 Medicare Provider No. 520098

Health Standards and Quality Bureau
Attn: Mrs. Sandra Kappert
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

Thank you for allowing hospitals to respond to the Health Care Financing Administration mortality data which is scheduled for release in December. In accord with our comments from 1987, we continue to agree with HCFA that health care consumers have a legitimate interest in obtaining information regarding the quality of health care. At the same time, however, we caution consumers against utilizing this information as the sole means of assessing quality. It is our belief that information such as that HCFA offers is best utilized as a means for hospitals and physicians to identify areas for review. Hospital quality assurance activities at University of Wisconsin Hospital and Clinics routinely incorporate this and other data in their reviews to identify quality of care concerns. As necessary, further in-depth review occurs and action is taken to resolve problems identified.

Again this year the HCFA data indicates that University of Wisconsin Hospital and Clinics is within or slightly below the expected mortality range in all of the diagnostic categories. Upon review of the data, we were able to validate the basic mortality information presented. The only inaccuracies identified in our data relate to the hospital profile data. Corrections have been made and are included on the attached report.

In conclusion, we agree that monitoring the quality of patient care is a critical matter. For that reason, University of Wisconsin Hospital and Clinics has an extensive quality assurance program encompassing all aspects of hospital and ambulatory care. We continue to advise health care consumers against utilizing this HCFA information as a sole means of evaluating quality of care.

Sincerely,

Gordon M. Derzon
Superintendent

attachment

0950K/dkg

VALLEY VIEW MEDICAL CENTER, INC.

901 REED STREET
PLYMOUTH, WI 53073

Medicare Hospital Provider Number: 520132

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	286	10	9 - 17	288	16	9 - 18
Cancer	10	20	18 - 68	2	50	7 - 95
Cerebrovascular Accidents	20	25	12 - 50	16	44	11 - 58
Gastrointestinal Catastrophes	2	50	6 - 94	4	50	7 - 83
Infectious Disease	4	0	7 - 72	4	0	8 - 72
Metabolic/Electrolyte Disorders	7	14	3 - 65	13	23	3 - 56
Pulmonary Disease	20	40	7 - 50	15	40	10 - 58
Renal Failure	0	-	-	1	100	3 - 99
Severe Acute Heart Disease	8	50	21 - 82	9	56	20 - 78
Severe Chronic Heart Disease	15	20	6 - 50	17	47	10 - 55
Severe Trauma	0	-	-	1	0	1 - 97
Gastrointestinal Disease	24	4	0 - 61	33	3	1 - 25
Gynecologic Disease	2	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	31	0	1 - 18	27	4	0 - 44
Musculoskeletal/Skin Conditions	21	0	0 - 39	15	0	0 - 89
Neuropsychiatric/Sensory Disease	1	0	0 -100	4	0	0 -100
Urologic Disease	28	0	0 - 89	21	5	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	108
Occupancy Rate (%):	69
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	11
Percent of Physicians Who Are Board Certified Specialists:	55
Interns and Residents:	0
Registered Nurses:	16
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	Yes

VALLEY VIEW
MEDICAL
CENTER

901 Reed Street
Plymouth, Wisconsin 53073-0024
Telephone (414) 893-1771

September 26, 1988

Mrs. Sandra Kappert
Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

In response to HCFA's request for review of the Medicare Hospital Mortality Information, I would like to offer the following comments. First, Hospital ID 520132 formerly Plymouth Hospital, Inc., is now Valley View Medical Center, Inc., still at 901 Reed Street, in Plymouth, Wisconsin 53073. Secondly, 45% of the physicians on our Medical Staff are Board Certified specialists. Third, Valley View Medical Center does have a specialty service of coronary care. Finally, we also participate in a qualified and licensed Hospice program.

The other information relating to actual mortality data appears to be in order for our facility.

Thank you for the opportunity to respond to the information.

Sincerely,

James G. Williams
Vice President

JGW/jac

VERNON MEMORIAL HOSPITAL

507 SOUTH MAIN STREET
VIROQUA, WI 54665

Medicare Hospital Provider Number: 520024

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	396	12	8 - 16	480	13	11 - 18
Cancer	7	57	14 - 78	7	71	16 - 77
Cerebrovascular Accidents	23	35	10 - 49	25	28	12 - 48
Gastrointestinal Catastrophes	1	0	0 - 98	4	25	8 - 82
Infectious Disease	2	0	1 - 90	7	14	8 - 66
Metabolic/Electrolyte Disorders	9	11	2 - 59	14	7	7 - 45
Pulmonary Disease	46	28	14 - 42	54	19	16 - 39
Renal Failure	2	0	5 - 90	3	67	5 - 88
Severe Acute Heart Disease	15	53	16 - 64	20	65	26 - 67
Severe Chronic Heart Disease	17	29	7 - 51	30	17	12 - 41
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	58	0	1 - 9	48	2	0 - 17
Gynecologic Disease	1	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	37	3	0 - 23	48	0	1 - 11
Musculoskeletal/Skin Conditions	32	0	0 - 30	44	2	0 - 24
Neuropsychiatric/Sensory Disease	13	8	0 - 97	18	6	0 - 97
Urologic Disease	6	0	0 -100	14	0	0 - 95

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	53
Occupancy Rate (%):	43
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	19
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	20
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

VICTORY MEMORIAL HOSPITAL

230 E 5TH AVE
STANLEY, WI 54768

Medicare Hospital Provider Number: 520007

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	212	16	10 - 20	235	11	9 - 18
Cancer	6	83	15 - 76	4	50	14 - 89
Cerebrovascular Accidents	7	0	10 - 55	6	17	9 - 71
Gastrointestinal Catastrophes	1	0	0 - 98	1	0	1 - 97
Infectious Disease	4	25	6 - 81	4	25	5 - 80
Metabolic/Electrolyte Disorders	3	0	6 - 80	10	20	4 - 59
Pulmonary Disease	16	38	9 - 55	15	20	7 - 50
Renal Failure	2	50	6 - 95	2	100	10 - 95
Severe Acute Heart Disease	14	36	15 - 63	6	50	11 - 78
Severe Chronic Heart Disease	14	29	4 - 54	21	24	11 - 48
Severe Trauma	1	0	1 - 97	1	0	0 - 97
Gastrointestinal Disease	22	0	1 - 25	28	0	0 - 24
Gynecologic Disease	0	-	-	2	0	0 -100
Low-Risk Heart Disease	24	4	0 - 50	23	0	0 - 28
Musculoskeletal/Skin Conditions	17	0	0 - 80	20	0	0 - 37
Neuropsychiatric/Sensory Disease	7	0	0 -100	11	9	0 -100
Urologic Disease	3	0	1 - 84	10	0	0 - 85

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 127
Occupancy Rate (%): 70
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 13
Percent of Physicians Who Are Board Certified Specialists: 46
Interns and Residents: 0
Registered Nurses: 28
Licensed Practical Nurses: 5

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

WATERTOWN MEMORIAL HOSPITAL

125 HOSPITAL DRIVE
WATERTOWN, WI 53094

Medicare Hospital Provider Number: 520116

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	674	11	9 - 15	762	14	12 - 18
Cancer	24	50	23 - 63	17	53	23 - 69
Cerebrovascular Accidents	18	33	12 - 55	45	36	16 - 44
Gastrointestinal Catastrophes	4	50	6 - 83	10	50	13 - 70
Infectious Disease	6	0	13 - 64	8	25	13 - 71
Metabolic/Electrolyte Disorders	9	11	9 - 59	17	24	9 - 53
Pulmonary Disease	26	38	18 - 56	36	25	16 - 46
Renal Failure	1	100	0 - 97	5	60	16 - 90
Severe Acute Heart Disease	20	25	22 - 60	33	42	28 - 62
Severe Chronic Heart Disease	45	13	15 - 36	47	32	17 - 45
Severe Trauma	3	67	2 - 87	4	0	15 - 79
Gastrointestinal Disease	68	3	1 - 13	49	4	1 - 21
Gynecologic Disease	12	0	0 -100	8	13	0 -100
Low-Risk Heart Disease	71	3	1 - 13	76	0	2 - 8
Musculoskeletal/Skin Conditions	79	3	1 - 12	75	3	0 - 14
Neuropsychiatric/Sensory Disease	22	0	0 - 65	22	5	0 - 89
Urologic Disease	30	3	0 - 45	29	3	0 - 56

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	103
Occupancy Rate (%):	36
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	34
Percent of Physicians Who Are Board Certified Specialists:	85
Interns and Residents:	0
Registered Nurses:	58
Licensed Practical Nurses:	36

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WAUKESHA MEMORIAL HOSP INC

725 AMERICAN AVE
WAUKESHA, WI 53186

Medicare Hospital Provider Number: 520008

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,094	12	10 - 15	2,108	12	11 - 15
Cancer	80	40	30 - 55	74	49	30 - 57
Cerebrovascular Accidents	100	18	19 - 36	96	27	19 - 38
Gastrointestinal Catastrophes	20	55	20 - 64	21	24	18 - 58
Infectious Disease	23	43	17 - 59	23	22	21 - 58
Metabolic/Electrolyte Disorders	36	14	8 - 38	37	16	14 - 43
Pulmonary Disease	130	31	20 - 39	129	26	17 - 36
Renal Failure	5	40	7 - 82	8	63	14 - 81
Severe Acute Heart Disease	65	51	29 - 55	77	38	29 - 52
Severe Chronic Heart Disease	104	20	14 - 31	122	20	17 - 33
Severe Trauma	8	50	6 - 70	8	38	10 - 72
Gastrointestinal Disease	187	3	1 - 8	169	4	1 - 9
Gynecologic Disease	13	0	0 -100	16	0	0 -100
Low-Risk Heart Disease	225	4	2 - 8	218	3	2 - 7
Musculoskeletal/Skin Conditions	207	3	1 - 8	205	2	1 - 6
Neuropsychiatric/Sensory Disease	98	1	1 - 9	90	3	0 - 19
Urologic Disease	70	1	0 - 36	80	1	0 - 12

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	291
Occupancy Rate (%):	59
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	173
Percent of Physicians Who Are Board Certified Specialists:	73
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Waukesha Memorial Hospital, Inc.

725 American Avenue
Waukesha, Wisconsin 53188
Telephone 414 544-2011

COMMENTS ON THE HEALTH CARE FINANCING ADMINISTRATION MORTALITY DATA
WAUKESHA MEMORIAL HOSPITAL
52-0008
WAUKESHA, WISCONSIN

Introductory Comment

Waukesha Memorial Hospital is a 304-bed acute care hospital located in Waukesha, Wisconsin. The hospital is a member of Waukesha Hospital System, Inc., a non-profit system located in--and dedicated to--Waukesha County.

The hospital is the largest and most sophisticated health care facility between Milwaukee and Dane Counties in Wisconsin. Its service area includes Waukesha County, but it also serves patients from neighboring counties.

Health Care Financing Administration Mortality Data - Waukesha Memorial Hospital

In each of the broad diagnostic categories within which HCFA is releasing mortality data, Waukesha Memorial Hospital is within the range of predicted or expected death rates, as calculated specifically for this hospital.

A preliminary verification review of HCFA data, using the hospital's data base for purposes of comparison for the 1987 calendar year, indicates significant variation in the number of actual cases identified within the categories used by HCFA. The data of HCFA indicates a total of 2,094 Medicare patient discharges from Waukesha Memorial Hospital during 1987. Our records, after factoring out multiple admissions, indicate a total of 2,363 Medicare discharges, or an additional 269 patients. Such a significant difference in the number of Medicare patient discharges creates a significant impact on mortality rates in a number of categories. This is particularly true in categories containing a relatively small number of cases (e.g., less than ten) such as renal failure and severe trauma. But it is also true in categories which contain larger numbers of cases.

In those categories which showed some significant variation from the HCFA data, hospital mortality rates--although lower --remained of course within the predicted ranges established by HCFA.

Interpretive Remarks

It is important to remember that the HCFA data represents mortality rates for Medicare patients only. Medicare eligible patients are those over the age of 65 (by far the largest proportion of Medicare patients) and individuals who are totally disabled by a chronic illness.

Further, the data represents 1987 only. Coding changes within diagnostic categories, either expanding or reducing the number of codes within a category, make any comparison between the years 1986 and 1987 very difficult.

And, it is important to recognize that HCFA data represents deaths which occurred outside of the hospital, even though the causes of such deaths may be unrelated to the reasons for hospitalization.

Small sample sizes can make comparisons of mortality rates between hospitals less meaningful. In ten of the sixteen categories within which HCFA is releasing data, Waukesha Memorial Hospital has under 100 total cases for the total year.

Finally, the HCFA statistical model does not include measures of severity (i.e., how ill the ptient was at the time of admission, whether the patient was receiving treatment at home prior to admission, whether the patient had a terminal illness, and the physiological state or general health of the patient).

Closing Comments

Waukesha Memorial Hospital understands the need of the health care consumer to make informed decisions about the care available to the consumer and consumer's family.

The hospital recognizes that Medicare mortality rates may be useful to some individuals who can, in concert with recommendations from their personal physicians, select the facility which might best meet their needs. Hospital selection should be based on many quality indicators, of which comparative mortality data is but one.

From the active role of community representatives on its governing board to the ongoing and aggressive quality assurance program, Waukesha Memorial Hospital is committed to the provision of quality care for the people it serves.

Within this context, the hospital encourages the people of its service area to make full use of the resources available--including Waukesha Memorial Hospital--in the selection of hospital services.

WAUPUN MEMORIAL HOSPITAL

620 W BROWN ST
WAUPUN, WI 53963

Medicare Hospital Provider Number: 520025

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	438	12	9 - 16	431	13	10 - 18
Cancer	12	42	14 - 66	7	71	15 - 76
Cerebrovascular Accidents	17	24	15 - 55	21	33	12 - 52
Gastrointestinal Catastrophes	1	0	0 - 98	3	33	8 - 89
Infectious Disease	6	33	11 - 77	7	0	11 - 58
Metabolic/Electrolyte Disorders	10	0	6 - 45	4	0	5 - 71
Pulmonary Disease	28	32	15 - 50	31	23	13 - 44
Renal Failure	1	100	3 - 99	4	50	9 - 87
Severe Acute Heart Disease	15	53	17 - 65	23	43	21 - 61
Severe Chronic Heart Disease	26	15	9 - 39	30	17	14 - 42
Severe Trauma	1	0	0 - 98	0	-	-
Gastrointestinal Disease	54	9	0 - 29	38	8	1 - 29
Gynecologic Disease	6	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	43	5	0 - 31	40	2	1 - 20
Musculoskeletal/Skin Conditions	38	0	0 - 18	51	0	1 - 11
Neuropsychiatric/Sensory Disease	6	0	0 - 94	6	0	0 -100
Urologic Disease	23	0	0 - 45	21	10	0 - 76

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	55
Occupancy Rate (%):	44
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	19
Percent of Physicians Who Are Board Certified Specialists:	68
Interns and Residents:	0
Registered Nurses:	40
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WAUPUN MEMORIAL HOSPITAL
Sponsored by the Congregation of St. Agnes

October 12, 1988

Health Standard & Quality Bureau
H.C.F.A.
Meadows East Building, 2 - D - 2
6325 Security Boulevard
Baltimore, MD 21207

Dear Ms. Kappert;

We have reviewed the mortality data for Waupun Memorial Hospital and would like to submit the following information.

Waupun Memorial Hospital and the medical staff are committed to the provision of quality health care. All death charts are reviewed on a monthly basis through the Quality Assessment Program. The process is carried out in an attempt to quickly identify problems in patient care. When problems are identified, the medical staff accepts responsibility for correcting the problems. The data provided by H.C.F.A. will be helpful in the Quality Assurance process. We do not believe that the H.C.F.A. mortality data is the primary determinant of quality patient care and we anticipate that the community is aware that other variables are as important in considering the measurement of quality.

It is important that the community recognize that the mortality data is compiled without consideration for the severity of illness of the people hospitalized. The data also does not identify that the cause of death is in any way related to the patients' last hospitalization. Thus it is invalid to assume that the death may have been in any way related to a previous hospitalization and the care provided during that stay.

Our hospital operates a regional renal dialysis unit. For this reason the characteristics of the patient are somewhat different than the small rural hospital. We also serve a large elderly population, and so the death rate would be expected to be somewhat higher in some of the categories.

Waupun Memorial Hospital will utilize the H.C.F.A. mortality data in its Quality Assurance Program and we will continue to stress quality care in our service to the community. Thank you for the opportunity to comment on the report.

Sincerely,

Jane M. Olson

Jane M. Olson
Executive Vice President &
Chief Operating Officer

mb

WAUSAU HOSPITALS INC

333 PINE RIDGE BLVD
WAUSAU, WI 54401

Medicare Hospital Provider Number: 520030

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,387	13	9 - 13	2,417	12	10 - 14
Cancer	96	54	32 - 56	98	42	26 - 50
Cerebrovascular Accidents	110	31	16 - 35	101	34	18 - 38
Gastrointestinal Catastrophes	19	42	12 - 58	17	41	15 - 62
Infectious Disease	17	29	12 - 56	26	42	20 - 60
Metabolic/Electrolyte Disorders	15	33	7 - 56	30	47	14 - 53
Pulmonary Disease	92	27	18 - 38	90	7	14 - 30
Renal Failure	4	50	7 - 86	4	25	14 - 90
Severe Acute Heart Disease	89	33	27 - 49	115	31	30 - 49
Severe Chronic Heart Disease	120	18	14 - 29	135	27	15 - 32
Severe Trauma	4	50	2 - 83	6	33	6 - 74
Gastrointestinal Disease	187	3	1 - 8	195	3	1 - 7
Gynecologic Disease	21	0	0 -100	30	0	0 -100
Low-Risk Heart Disease	274	2	2 - 6	254	3	2 - 7
Musculoskeletal/Skin Conditions	342	2	1 - 5	346	4	1 - 7
Neuropsychiatric/Sensory Disease	117	1	1 - 8	120	4	0 - 13
Urologic Disease	82	1	0 - 20	94	3	0 - 50

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	300
Occupancy Rate (%):	52
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	147
Percent of Physicians Who Are Board Certified Specialists:	78
Interns and Residents:	0
Registered Nurses:	260
Licensed Practical Nurses:	18

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	Yes

WAUSAU HOSPITAL CENTER

October 21, 1988

William L. Roper, M.D.
Administrator
Health Care Financing Administration
Department of Health and Human Services
Washington, D.C. 20201

SUBJECT: 1987 Medicare Mortality Data
Provider #520030

Dear Dr. Roper:

Thank you for the opportunity to respond to the Medicare Mortality Rates for Wausau Hospital Center as presented by the Health Care Financing Administration. Once again, we are pleased to see that Wausau Hospital Center has fallen well within the range for predicted mortality in all diagnostic categories. However, we do feel the mortality data released necessitates further clarification as it relates specifically to Wausau Hospital Center. The following points warrant comment:

- Wausau Hospital Center is a growing referral source for secondary and select tertiary care. Approximately 30% of our patients reside outside of Marathon County. As a result, the referred patients tend to increase the population of acute and complex cases treated.

- As noted last year, Wausau Hospital Center continues to provide comprehensive cancer care services including Hospice. In offering this service, we recognize the fact that we will experience greater mortality rates than other providers who do not provide this type of benefit.

- Wausau Hospital Center continues to experience growth in the provision of comprehensive cardiac services. In the three diagnostic categories related to cardiac disease, our results are consistently within the predicted range as established by the Health Care Financing Administration. However, we do take exception to the select use of a few specialty services noted under hospital characteristics. The identification of an isolated category, such as coronary care unit, does not accurately reflect, nor is indicative of, the type of service we provide. While we recognize that the intent of listing certain hospital characteristics is one of better qualifying the type of provider and its services, caution and prudence is advised to assure the prevention of misrepresentation.

- It is important to note, that a significant number of patients categorized under Pulmonary Disease at Wausau Hospital Center also presented with underlying progressive cancers and other debilitating diseases. Although the primary diagnosis (principle reason for admission) of their last admission indicated a pulmonary problem, the chronic underlying diseases were a contributing factor to the actual mortality. This same finding can hold true for all other diagnostic categories and may mislead in the interpretation of mortality within a given diagnostic category.

- In several low volume categories, such as renal failure and severe trauma, Wausau Hospital Center treated too few patients in order for a meaningful mortality rate to be established.

While we believe consumers have a legitimate interest in obtaining useful, reliable information on the quality of care that is available to them, the release of hospital specific mortality data by the Health Care Financing Administration continues to have its limitations. Important factors include:

- the model used does not take into account the severity of the patient's illness

- deaths identified were within 30 days of admission, which may result in wrongful attribution to the hospital of deaths that may be unrelated to the condition of the patient at the time of discharge.

However, we recognize the value of its intent and emphasize our belief that the citizens of our area trust that Wausau Hospital Center Board of Directors demand true quality assessment by our professional staff via our own internal quality review mechanism.

Sincerely,

Paul A Spaude

Paul A. Spaude
Executive Vice President
Wausau Hospital Center

sac

WEST ALLIS MEMORIAL HOSPITAL

8901 WEST LINCOLN AVENUE
WEST ALLIS, WI 53214

Medicare Hospital Provider Number: 520139

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,362	12	10 - 14	2,482	11	10 - 14
Cancer	106	37	28 - 51	91	41	30 - 54
Cerebrovascular Accidents	113	22	18 - 36	116	25	20 - 37
Gastrointestinal Catastrophes	18	28	16 - 60	28	39	20 - 59
Infectious Disease	19	21	15 - 55	23	22	17 - 54
Metabolic/Electrolyte Disorders	26	15	11 - 45	23	17	8 - 45
Pulmonary Disease	85	33	17 - 39	107	19	17 - 35
Renal Failure	10	50	12 - 76	9	44	14 - 80
Severe Acute Heart Disease	95	46	29 - 51	103	43	30 - 51
Severe Chronic Heart Disease	129	25	15 - 31	143	22	16 - 31
Severe Trauma	4	25	9 - 83	3	0	5 - 80
Gastrointestinal Disease	199	4	1 - 8	228	3	1 - 7
Gynecologic Disease	24	0	0 - 90	46	0	0 -100
Low-Risk Heart Disease	213	2	2 - 6	224	4	2 - 8
Musculoskeletal/Skin Conditions	280	1	1 - 5	304	1	1 - 5
Neuropsychiatric/Sensory Disease	79	1	0 - 11	49	0	0 - 16
Urologic Disease	137	1	0 - 11	142	1	0 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	241
Occupancy Rate (%):	63
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	186
Percent of Physicians Who Are Board Certified Specialists:	91
Interns and Residents:	4
Registered Nurses:	169
Licensed Practical Nurses:	76

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WILD ROSE COMM MEM HOSPITAL INC

PO BOX 243 GROVE AVENUE
WILD ROSE, WI 54984

Medicare Hospital Provider Number: 520149

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	259	12	9 - 17	284	12	10 - 18
Cancer	4	25	13 - 86	3	100	11 - 84
Cerebrovascular Accidents	10	20	8 - 59	16	19	9 - 49
Gastrointestinal Catastrophes	2	0	7 - 91	0	-	-
Infectious Disease	5	20	10 - 77	6	17	8 - 71
Metabolic/Electrolyte Disorders	9	11	9 - 59	18	11	8 - 45
Pulmonary Disease	26	31	11 - 48	27	33	12 - 48
Renal Failure	1	100	3 -100	2	50	4 - 93
Severe Acute Heart Disease	9	44	14 - 72	19	53	20 - 63
Severe Chronic Heart Disease	14	36	6 - 56	14	7	11 - 46
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	18	0	0 - 37	30	0	0 - 41
Gynecologic Disease	2	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	48	4	0 - 26	33	0	0 - 18
Musculoskeletal/Skin Conditions	18	0	0 - 68	23	0	0 - 43
Neuropsychiatric/Sensory Disease	9	0	0 - 90	7	0	0 -100
Urologic Disease	15	0	0 - 63	13	0	0 - 97

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 32
Occupancy Rate (%): 34
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 7
Percent of Physicians Who Are Board Certified Specialists: 0
Interns and Residents: 0
Registered Nurses: 9
Licensed Practical Nurses: 6

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

Technical Appendix

TECHNICAL APPENDIX

METHODOLOGY

The Data Base

The data that are analyzed in this report are drawn from the MEDPAR file, which is assembled and updated quarterly by the Bureau of Data Management and Strategy in HCFA. This file is constructed from information on hospitalizations submitted to HCFA by hospitals through fiscal intermediaries. Data obtained from the Social Security Administration also contribute to the file. The data include the age, sex and date of death of each Medicare beneficiary. Because each beneficiary is assigned a unique health insurance claim number, it is possible to link hospitalizations longitudinally. Prior hospitalizations and readmissions can be found, as well as the date of death, whenever and wherever it occurred.

The hospitalizations in this file are segregated by the year of discharge. The data used in these analyses were drawn from the 1985, 1986 and 1987 discharges. The update cycles used for these years were 12/31/87, 6/10/88 and 6/10/88, respectively.

The process of data management consisted of selecting discharges from acute-care hospitals, calculating analytical variables that required data from prior hospitalizations and selecting the last discharge for each beneficiary for 1986 and 1987. The following rules were used to select discharges from acute-care hospitals:

1) Include only discharges from short-term (general and specialty) hospitals. These hospitals have a 0 in the third position of their "provider number."

2) Exclude discharges from psychiatric units, rehabilitation units, swing-beds and alcohol/drug units. These records have "provider codes" of S, T, U and V, respectively.

3) Exclude discharges from special cost centers. These are designated by a 9 in the fourth position of the "provider number."

4) Exclude discharges where the date of death precedes the date of admission, because these are obvious data errors.

Variables dependent on data from prior hospitalizations were calculated as follows:

1) For each beneficiary, sort the discharges in descending order by "discharge date" and "admission date" and stack the discharges for the current and prior years.

2) For the last discharge in the current year, determine whether the beneficiary at admission was transfered from another hospital. Operationally, the "discharge destination" for the prior discharge must be coded as a discharge to a short-term hospital, and the "discharge date" for the prior discharge must be no more than one day prior to the "admission date" for the last discharge.

3) For each discharge, use the principal diagnosis (the first "diagnostic code") to determine the diagnostic category as defined in Table 2 of the Introduction. Diagnoses that are not listed in this table are placed in a residual category of intermediate risk.

4) For the last discharge of the current year, count the number of admissions by diagnostic category that occurred within the 182 days prior to the admission date for this discharge.

Subsequently, the last discharges for 1986 and 1987 were selected and segregated by diagnostic categories into separate files for analysis. Only hospitals that had discharges in 1987 were considered for publication. Canadian and emergency hospitals were excluded. Six other hospitals were excluded because they terminated operations prior to 1987 or because their "provider number" was invalid.

Mortality Rates

In this project, the definition of mortality used to calculate mortality rates was death within 30 days of admission. The choice of a fixed period of 30 days after admission avoids biases that might occur if in-hospital deaths only were counted. Sufficient followup is available to permit complete estimation of mortality rates based upon this choice. Choosing a specific discharge avoids multiple counts of the same death. The last discharge for the year is biased to higher short-term risk.

Diagnostic Categories

Lists of the ICD-9-CM codes included in each diagnostic category are found in Table 2 of the Introduction to this report. The lists were constructed to represent diagnostic categories that are medically coherent and rather homogeneous with respect to risk of death.

Grouping was performed by combining clinically related diagnostic clusters when associated mortality rates were similar to one another. For each primary diagnosis, these rates were calculated from the 5% random sample of Medicare discharges for 1985 and 1986. For instance, Klebsiella pneumonia (482.0, 1385 patients, observed mortality = 24.3%) and Pseudomonas pneumonia (482.1, 1416 patients, observed mortality = 25.2%) were combined in the Pulmonary Disease category, as were subarachnoid hemorrhage (430, 525 patients, observed mortality = 47.8%) and intracerebral hemorrhage (431, 2883 patients, observed mortality = 42.9%), in the Cerebrovascular Accidents category.

These aggregations are generally analogous to the categories used in the 1987 analysis, but are more risk-homogeneous. In some cases, risk categories were expanded to incorporate a broader range of related conditions associated with similar risks of subsequent mortality, such as expanding ophthalmology to include psychiatric and other sensory system disorders or expanding low risk orthopedic conditions to include low risk dermatologic and muscular disorders.

In other instances, conditions were transferred to new categories based on empirical evidence that associated mortality rates were higher or lower than previously anticipated. For example, cancer of the salivary gland, gums, mouth, and oropharynx (142-146, observed mortality = 8.8%) was moved from high risk cancer to the intermediate risk category (average mortality = 8.5%), paroxysmal ventricular tachycardia (427.1, observed mortality 8.9%) was moved from the severe acute heart disease to the intermediate risk category, acute and chronic gastric ulcers with perforation, with and without hemorrhage (531.1, 531.2, 531.5, 531.6, observed mortality = 21.8%) was moved from low risk GI disease to GI catastrophe, pneumonia due to H. influenzae (482.2, observed mortality = 8.6%) was moved from high risk pulmonary to the intermediate risk category, fracture of the femur (820, 821, observed mortality = 6.1%) was moved from high risk trauma to the intermediate risk category, and chronic glomerulonephritis and other nephritis and nephropathy (582, 583, observed mortality 2.2%) was moved from high risk renal to low risk urologic disease. The new categories were reviewed for clinical and coding consistency and face validity, and final adjustments were made. Final adjustments included combining myocardial infarctions in a single risk group since coding variations among institutions made separation into different categories problematic, and removing italicized ICD-9-CM diagnoses from named risk groups since they are not valid principal diagnoses.

Demographic Variables

As in 1987, age and sex variables were used to characterize each patient. The sex variable is an indicator variable, as shown in Table 1. The patient's age was expressed in the 1987 Mortality Release by indicator variables in six categories, 65, 65-69, 70-74, 75-79, 80-84, and 85. For the 1988 Mortality Release, the age relative to 65 years and the square of this variable, as shown in Table 1, replaced the categorical age variables.

Comorbidity Variables

As in 1987, the secondary diagnoses (0-4 in number, "diagnostic codes" 2-5) were used to construct variables indicating the presence of comorbidities. The eight comorbidity indicator variables used in the analyses are: diabetes (DI), chronic pulmonary disease (OP), cancer (CA), chronic liver disease (LV), chronic renal disease (RN), cerebral vascular degeneration or chronic psychosis (CE), hypertensive disease (HY) and chronic cardiovascular disease (CV). The ICD-9-CM codes defining these variables are the same as were used in 1987 and are listed in Table 3 of the Introduction.

Prior History Variables

In the 1987 Mortality Release, the number of prior admissions was not based on a fixed interval of time prior to the admission date for the last discharge of the year, but included only prior admissions with discharges in the same calendar year (1986). Also all admissions were counted without any distinction among the risks associated with various prior admissions. In the 1988 Mortality Release, prior admissions are counted for a fixed interval of six months prior to the admission date for the last discharge of the year, and separate counts of prior admissions are made for three risk levels. They are admissions with high, low and intermediate risk. In Table 2 of the Introduction, diagnostic categories are defined as high risk or low risk. The intermediate risk category is composed of ICD-9-CM codes not listed in that table. Indicator variables are defined for the high risk category, as shown in Table 1, as PH1 if there was one prior high risk admission, PH2 if there were two and PH3M if there were three or more. Similar variables are defined for low risk (PL1, PL2, PL3M) and intermediate risk (PU1, PU2, PU3M) admissions. The indicator variable TRIN records whether or not the patient was transfered into the hospital from another acute-care hospital.

Analytic Techniques

The principal analytic tool was logistic regression (see, for example, Cox (1970)). Because the diagnostic categories are mutually exclusive, the analyses to ascertain the influence of patient characteristics (demographics, comorbidities and prior histories) were carried out separately for each category.

The probability π that a patient dies within 30 days of admission depends on the patient's characteristics x_i. Table 1 lists the covariates used in the logistic model for this year's analysis. Generally the same variables were used across all diagnostic categories. There are some exceptions. For example, the variable sex is not included as a covariate in the analyses for the diagnostic category gynecologic disease. In all other cases, the model is the same, with the occasional omission of one or more variables because of estimation difficulties (See Tables 2 and 3).

The dependence of π on these variables is specified by a logistic model:

$$\log \ (\pi/(1-\pi)) = \Sigma_i \beta_i x_i .$$

The regression coefficients β_i are estimated by the method of maximum likelihood. It is possible then to estimate the probability of dying for a patient from his or her characteristics x_i. By averaging over all the patients for whom treatment in a given hospital is being evaluated, the estimated mortality rate for that hospital is found. This analysis is carried out for each individual diagnostic category (the 16 explicitly defined categories as well as the residual category). The coefficients for each diagnostic category are shown in Table 2 for the 1987 data and in Table 3 for the 1986 data. Blank spaces in these tables mean that the corresponding variables were not used in the model. This is the same as fixing the parameter estimates for the unused variables at zero. Calculations were performed using the SAS procedure LOGIST as described by the SAS Institute (1986).

In addition to the estimates of regression coefficients for the logistic regression model, Tables 2 and 3 also display the model chi-square, based on the likelihood ratio, the number of cases and the number of deaths, for each of the diagnostic categories. The model chi-square has 22 degrees of freedom in most cases. The exceptions occur when one or more variables are removed from the model. In these cases, the degrees of freedom are reduced by one for each variable removed from the model. In all cases, the model chi-square is highly significant ($P < 0.001$). Note that the coefficients from 1987 and 1986 data are generally similar, as can be seen clearly in Table 4. The major differences occur in low risk categories or when there are only a few cases associated with the variable. In these situations, the parameter estimates are less stable. For example, there are relatively few cases associated with the variables for three or more prior admissions within six months. The regression coefficients in Tables 2 and 3 were used to estimate the probability of death within 30 days of the last admission in 1987 or 1986 for a 1987 "average case" for each of the diagnostic categories, as shown in Table 4. The "average case" is a hypothetical "patient" whose characteristics correspond to average values of each variable within a diagnostic category. The mortality rate for this 1987 "average case" using the 1986 and 1987 coefficients is displayed in Table 4 along with the average observed mortality rate. Note the similarity of the data for 1986 and 1987. Note also that the average observed and the average predicted mortality rates must be equal, but that the predicted mortality rate for the "average case" differs from them somewhat because of the inverse logit transformation that is needed to convert the sum of the products of the average values of the variables and the regression coefficients to a probability of dying. Since there is no way to know that a given admission will result in the last discharge of the year, these equations generally should not be used for predicting the outcome for individual cases.

The second quantity required of the analyses was an estimate of the uncertainty in the mortality rate expressed as a range of predicted rates encompassing a specified proportion (95%) of the probable values. For this it is necessary to compute the variance of the probability of death at a given hospital.

There are two components of variance included in our calculation of the range of mortality for a hospital. The first is the sampling variance, which is estimated by:

$$SV_j = B_j(1-B_j) / N_j,$$

where

$$B_j = (N_j p_j + 1) / (N_j + 2),$$

and p_j is the observed proportion of persons who had died among the N_j persons at risk, within a specified diagnostic category (or overall). B_j is a Bayesian estimate of the probability of dying. The second component arises from the systematic differences among hospitals in the identified factors included in the logistic model. This contribution to the variance is estimated by:

$$IHV_j = (1-(1/N_j))\ V$$

where V, the inter-hospital variance, is

$$V = \Sigma_j\ (P_j - \bar{P})^2\ (N_j / N_t).$$

P_j is the predicted mortality rate and N_j is the number of cases at risk at hospital j. $N_t = \Sigma_j N_j$ is the total number of cases at risk and $\bar{P} = (\Sigma_j N_j P_j) / N_t$ is the average mortality rate, in the category under consideration. To see how this formula arises, consider the basic identity (Kendall, Stuart and Ord, 1983, p.212):

$$Var(x) = E_\theta \{Var_{x|\theta}(x)\} + Var_\theta \{E_{x|\theta}(x)\}.$$

When this formula is applied to a binomial random variable x, the result is

$$Var(x) = n\ E_\theta \{\theta\}(1-E_\theta\{\theta\}) + n(n-1)\ Var_\theta\{\theta\}$$

as given by Mosimann (1962, equation 36). From this it follows that

$$\mathrm{Var}(x/n) = \mathrm{Var}(x) / n^2 = (E_\theta\{\theta\}(1-E_\theta\{\theta\})) / n + (1-(1/n))\ \mathrm{Var}\{\theta\}$$

where $V\{\theta\} = V$, the constant inter-hospital variance. Values of V for each diagnostic category are in Table 4.

The ranges of predicted mortality rates given in this publication encompass 95% of the probable values on a logit scale, which ensures that the range neither goes below zero nor above 100%. On the logit scale, the range of predicted values P is given by:

$$R_j = \log(P_j/(1-P_j)) \pm 1.96(\sqrt{SV_j + IHV_j}) / (P_j(1-P_j)).$$

Retransformed to the probability scale, the upper end of the range is:

$$\exp\ (R_+) / (1 + \exp(R_+))$$

and the lower end is:

$$\exp\ (R_-) / (1 + \exp(R_-))$$

where R_+ is the value of R taken with the + sign and R_- is the value of R taken with the - sign.

The tabulation of the numbers of cases at risk (i. e., the number of patients whose last discharge in 1987 was from the given hospital), of the percentage of these persons who died within 30 days of the date of admission for that hospitalization, and of the range of predicted mortality rates encompassing 95% of the probable values on the logit scale forms the core of the present publication. A similar display is also included for the 1986 data.

An implication that bears importantly on year-to-year stability of rankings is that there remain important sources of variability in outcomes associated with variations in patient characteristics (such as severity of illness) and other factors that have not been taken into account in the models used in the present analyses.

References

David R. Cox (1970) The Analysis of Binary Data, London: Chapman and Hall.

Maurice Kendall, Alan Stuart and J. Keith Ord (1983) The Advanced Theory of Statistics, Vol. 3, 4th Ed., New York: Macmillan.

James E. Mosimann (1962) "On the compound multinomial distribution, the multivariate β-distribution, and correlations among proportions," Biometrika, 49, 65-82.

SAS Institute Inc. (1986) SUGI Supplemental Library User's Guide, Version 5 Edition, Cary, NC: SAS Institute, Inc.

TABLE 1

Covariates used in the logistic models for the 1988 Hospital Mortality Release. Generally the same variables are used for all diagnostic categories. The two-letter codes for comorbidities are defined in terms of ICD-9-CM codes in Table 3 of the Introduction to this report.

Intercept	Constant added into the logistic model in all cases.
Demographics	
RAG	Age of patient in years divided by 65.
RAGSQ	RAG squared.
SEX	An indicator variable: Male 0 and Female 1.
Comorbidities (Indicator variables)	
DI	1 if patient has diabetes, 0 if not.
OP	1 if chronic pulmonary disease, 0 if not.
CA	1 if cancer, 0 if not.
LV	1 if chronic liver disease, 0 if not.
RN	1 if chronic renal disease, 0 if not.
CE	1 if cerebrovascular degeneration or chronic psychosis, 0 if not.
HY	1 if hypertensive disease, 0 if not.
CV	1 if chronic cardiovascular disease, 0 if not.
Prior Histories (Indicator variables)	
PH1	1 if patient has had 1 recent high-risk admission, 0 if not.
PH2	1 if patient has had 2 recent high-risk admissions, 0 if not.
PH3M	1 if patient has had 3 recent high-risk admissions, 0 if not.
PL1	1 if patient has had 1 recent low-risk admission, 0 if not.
PL2	1 if patient has had 2 recent low-risk admissions, 0 if not.
PL3M	1 if patient has had 3 recent low-risk admissions, 0 if not.
PU1	1 if patient has had 1 recent medium-risk admission, 0 if not.
PU2	1 if patient has had 2 recent medium-risk admissions, 0 if not.
PU3M	1 if patient has had 3 recent medium-risk admissions, 0 if not.
TRIN	1 if patient was transfered into the hospital, 0 if not.

Recent means within six months (182 days) before the admission date on the last discharge.

Table 2

1987
Parameter Estimates

Conditions:

CA - Cancer
CE - Cerebrovascular accidents
EY - Neuropsychiatric and sensory disease
GC - Gastrintestinal catastrophes
GI - Gastrointestinal disease
GU - Urologic disease
GY - Gynecologic disease
HL - Low-risk heart disease
HM - Severe chronic heart disease
HS - Severe acute heart disease
ME - Metabolic/electrolyte disturbances
OP - Muskuloskeletal and cutaneous conditions
PN - Pulmonary disease
RN - Renal failure
SE - Infectious disease
TR - Severe trauma
UN - All other conditions

Table 2.1

PARAMETER ESTIMATES(EST) AND STANDARD ERRORS(SE) FROM THE 1988 MODEL
APPLIED TO THE LAST DISCHARGES FOR 1987

CONDITIONS	CA		CE		EY		GC		GI		GU	
VARIABLES	EST	SE	EST	SE	EST	SE	EST	SE	EST	SE	EST	SE
INTERCEPT	-0.9591	0.1846	1.1997	0.2163	-5.2813	0.2800	-2.3087	0.2017	-3.5635	0.2663	-4.7226	0.4824
RAG	-1.6335	0.3285	-6.6151	0.3659	-1.5611	0.5229	-0.4696	0.3734	-5.5355	0.4572	-5.5282	0.8185
RAGSQ	1.3503	0.1465	3.7120	0.1544	2.2297	0.2447	1.2330	0.1746	4.2574	0.1972	4.4686	0.3499
SEX	-0.2402	0.0094	-0.0476	0.0099	-0.5750	0.0287	-0.1175	0.0199	-0.1243	0.0185	0.5935	0.0350
DI	-0.1024	0.0258	0.1020	0.0165	0.1759	0.0587	-0.1638	0.0415	0.2683	0.0400	0.4540	0.0636
OP	-0.0561	0.0141	0.1279	0.0185	0.3559	0.0436	0.0051	0.0359	0.2458	0.0285	0.1487	0.0535
CA	0.5768	0.0093	0.8097	0.0252	1.9331	0.0441	1.0668	0.0340	1.6400	0.0301	1.4296	0.0452
LV	1.3567	0.0417	0.9674	0.0741	0.8902	0.1032	0.9094	0.0259	1.3731	0.0523	1.4221	0.1900
RN	1.0472	0.0364	0.8796	0.0314	1.6159	0.0678	0.6804	0.0411	1.4903	0.0431	1.4730	0.0594
CE	-0.0632	0.0394	-0.6277	0.0291	0.2072	0.0601	-0.5066	0.0825	0.0970	0.0636	0.5856	0.0843
HY	-0.3680	0.0492	-0.0778	0.0226	-0.0419	0.1010	-0.3043	0.0760	-0.1481	0.0642	-0.0122	0.1146
CV	0.3520	0.0118	0.3532	0.0097	0.6803	0.0304	0.5708	0.0221	0.7706	0.0186	0.9333	0.0323
PH1	0.9049	0.0111	0.4668	0.0149	1.0171	0.0409	0.4431	0.0263	1.0073	0.0263	1.1523	0.0425
PH2	1.3110	0.0199	0.8399	0.0344	1.6964	0.0753	0.5912	0.0461	1.4578	0.0538	1.5987	0.0906
PH3M	1.5586	0.0339	1.2198	0.0752	1.9332	0.1458	0.5752	0.0666	1.8720	0.1031		
PU1	0.4216	0.0129	0.3815	0.0163	0.5417	0.0398	0.2922	0.0263	0.5258	0.0251	0.6359	0.0416
PU2	0.6721	0.0242	0.6588	0.0401	0.9497	0.0767	0.4900	0.0517	0.9993	0.0487	1.0869	0.0809
PU3M	0.8003	0.0291	0.7082	0.0782	1.4732	0.1082	0.5197	0.0815	1.0673	0.0858	1.5890	0.1328
TRIN	-0.2626	0.0293	-0.0471	0.0357	0.5169	0.1053	0.3129	0.0627	0.6705	0.0692	0.6464	0.1219
PL1	0.1573	0.0162	0.1208	0.0159	0.1455	0.0378	0.1427	0.0301	0.2183	0.0250	0.1653	0.0433
PL2	0.1772	0.0437	0.1758	0.0411	0.1414	0.0801	0.1743	0.0731	0.3797	0.0533	0.4906	0.0895
PL3M	0.1269	0.1044	0.3631	0.0888	0.0705	0.1537	0.1452	0.1591	0.2971	0.1094	0.8340	0.1643
TOTAL NUM.	216,565		240,896		245,185		52,907		451,765		277,784	
DEATHS	89,692		63,407		5,633		18,329		13,776		4,634	
MODEL CHI-SQ.	23,809		11,842		7,524		5,215		16,232		7,689	

Table 2.2

PARAMETER ESTIMATES(EST) AND STANDARD ERRORS(SE) FROM THE 1988 MODEL
APPLIED TO THE LAST DISCHARGES FOR 1987

CONDITIONS	GY		HL		HM		HS		ME		OP	
VARIABLES	EST	SE	EST	SE	EST	SE	EST	SE	EST SE	EST	SE	
INTERCEPT	-9.1786	0.3010	-3.1645	0.2327	-1.9582	0.1666	-0.3864	0.1743	-3.2048	0.2537	-3.3135	0.2154
RAG			-4.6780	0.4036	-1.7762	0.2847	-3.4967	0.3051	0.2668	0.4302	-5.8135	0.3778
RAGSQ	2.3124	0.2106	3.3811	0.1750	1.7348	0.1215	2.6778	0.1335	0.8351	0.1827	4.2440	0.1665
SEX			-0.2982	0.0129	-0.2375	0.0092	-0.0383	0.0088	-0.4303	0.0160	-0.4685	0.0192
DI	0.9843	0.2244	0.2989	0.0241	-0.0471	0.0155	0.1744	0.0155	-0.0804	0.0329	0.3664	0.0349
OP	0.1323	0.2781	0.2005	0.0200	0.0032	0.0117	-0.1526	0.0142	0.0243	0.0273	0.4635	0.0297
CA	2.1844	0.1861	1.5089	0.0244	0.8028	0.0211	0.5563	0.0256	1.6174	0.0200	1.8846	0.0285
LV	1.8871	0.5508	1.2272	0.0787	0.7108	0.0435	1.0323	0.0751	0.8660	0.0693	1.5729	0.0798
RN	2.2304	0.3106	1.1843	0.0297	0.7261	0.0159	0.8167	0.0253	0.6416	0.0304	1.6414	0.0448
CE	0.3470	0.4731	0.0348	0.0444	-0.0814	0.0318	-0.5037	0.0376	-0.2641	0.0316	0.2949	0.0490
HY	0.3073	0.3791	-0.1699	0.0362	-0.3986	0.0280	-0.2861	0.0250	-0.2003	0.0612	0.0462	0.0641
CV	1.3402	0.1349	0.5437	0.0133	0.0804	0.0092	0.2520	0.0093	0.6250	0.0174	0.9847	0.0193
PH1	1.6812	0.1924	0.8796	0.0162	0.6334	0.0106	0.4255	0.0132	0.5445	0.0190	1.0584	0.0288
PH2	2.9031	0.4044	1.4401	0.0306	0.9506	0.0165	0.8011	0.0285	0.7757	0.0346	1.4467	0.0623
PH3M			2.0347	0.0535	1.1726	0.0231	1.1723	0.0571	1.0184	0.0616	2.1872	0.1133
PU1	0.9758	0.1835	0.4561	0.0188	0.3210	0.0128	0.3565	0.0153	0.3166	0.0200	0.4935	0.0279
PU2	1.1076	0.4287	0.8606	0.0392	0.5318	0.0270	0.6332	0.0372	0.4251	0.0382	0.9696	0.0545
PU3M	1.5589	0.6383	1.1950	0.0658	0.6545	0.0489	0.9770	0.0669	0.6245	0.0574	1.4334	0.0845
TRIN	1.3584	0.8502	0.6728	0.0247	0.4610	0.0362	-0.4480	0.0235	0.3256	0.1310	0.8660	0.0862
PL1	-0.3050	0.2295	0.1905	0.0159	0.1086	0.0133	0.1103	0.0139	0.0448	0.0232	0.0407	0.0270
PL2	0.6264	0.4710	0.2546	0.0299	0.1217	0.0300	0.1501	0.0323	0.0580	0.0568	0.0861	0.0616
PL3M			0.4261	0.0480	0.2047	0.0572	0.3722	0.0619	-0.1159	0.1335	-0.0071	0.1383
TOTAL NUM.	61,870		818,849		311,444		246,665		105,282		585,696	
DEATHS	273		27,786		70,762		94,172		26,485		13,186	
MODEL CHI-SQ	667		21,104		19,097		14,457		14,966		18,616	

Table 2.3

PARAMETER ESTIMATES(EST) AND STANDARD ERRORS(SE) FROM THE 1988 MODEL
APPLIED TO THE LAST DISCHARGES FOR 1987

CONDITIONS	PN		RN		SE		TR		UN	
VARIABLES	EST	SE	EST	SE	EST	SE	EST	SE	EST	SE
INTERCEPT	-2.6009	0.1260	-4.7164	0.2568	-2.2654	0.1841	-1.4983	0.4342	-3.5263	0.0652
RAG	-1.1518	0.2161	2.4880	0.4744	-0.2282	0.3274	-1.3583	0.7978	-2.4574	0.1146
RAGSQ	1.7081	0.0927	0.5723	0.2186	0.9669	0.1465	1.4598	0.3676	2.4350	0.0507
SEX	-0.3345	0.0086	-0.1322	0.0252	-0.1198	0.0162	-0.2443	0.0435	-0.2930	0.0052
DI	0.1040	0.0182	0.1180	0.0406	-0.0070	0.0271	-0.0629	0.1099	0.1689	0.0104
OP	-0.3019	0.0103	0.2304	0.0498	-0.0529	0.0308	-0.2491	0.0836	0.2396	0.0074
CA	1.0701	0.0137	0.9455	0.0430	0.7369	0.0237	0.8208	0.1094	1.1744	0.0070
LV	0.6490	0.0482	1.2631	0.1042	0.9764	0.0597	1.1583	0.2114	1.4285	0.0192
RN	0.8493	0.0215	-0.0693	0.0369	0.7499	0.0313	1.1097	0.1679	1.0659	0.0115
CE	0.0284	0.0187	-0.0107	0.0758	-0.3244	0.0425	-0.4878	0.1103	0.0186	0.0146
HY	-0.2986	0.0327	-0.3446	0.0479	-0.3185	0.0673	-0.1716	0.1790	-0.2222	0.0186
CV	0.3876	0.0086	0.6419	0.0259	0.5171	0.0175	0.5752	0.0469	0.6601	0.0053
PH1	0.6818	0.0105	0.3766	0.0300	0.5626	0.0199	0.1086	0.0694	0.9182	0.0069
PH2	0.9608	0.0192	0.6510	0.0520	0.7310	0.0368	0.3808	0.1633	1.3266	0.0137
PH3M	1.2271	0.0338	1.0370	0.0839	0.9597	0.0658	0.9237	0.3318	1.6233	0.0251
PU1	0.5299	0.0114	0.3242	0.0317	0.4128	0.0199	0.2128	0.0718	0.4829	0.0064
PU2	0.8180	0.0227	0.4157	0.0577	0.6202	0.0363	0.4006	0.1684	0.7516	0.0109
PU3M	1.0552	0.0378	0.7940	0.0869	0.7960	0.0558	0.8103	0.3126	0.7356	0.0146
TRIN	0.1327	0.0419	0.1808	0.0533	0.4457	0.0721	-0.1722	0.1057	0.4225	0.0173
PL1	0.2341	0.0135	0.1925	0.0355	0.1490	0.0235	-0.0263	0.0720	0.1152	0.0078
PL2	0.2659	0.0337	0.3193	0.0797	0.2329	0.0566	-0.2338	0.1915	0.1074	0.0187
PL3M	0.2878	0.0754	0.4619	0.1810	0.2501	0.1322	0.2520	0.3722	0.0855	0.0407
TOTAL NUM.	339,986		33,325		77,856		11,777		2,200,419	
DEATHS	87,977		12,531		27,664		3,306		187,048	
MODEL CHI-SQ	38,547		6,125		6,964		621		144,234	

Table 3

1986
Parameter Estimates

Conditions:

CA - Cancer
CE - Cerebrovascular accidents
EY - Neuropsychiatric and sensory disease
GC - Gastrintestinal catastrophes
GI - Gastrointestinal disease
GU - Urologic disease
GY - Gynecologic disease
HL - Low-risk heart disease
HM - Severe chronic heart disease
HS - Severe acute heart disease
ME - Metabolic/electrolyte disturbances
OP - Muskuloskeletal and cutaneous conditions
PN - Pulmonary disease
RN - Renal failure
SE - Infectious disease
TR - Severe trauma
UN - All other conditions

Table 3.1

PARAMETER ESTIMATES(EST) AND STANDARD ERRORS(SE) FROM THE 1988 MODEL
APPLIED TO THE LAST DISCHARGES FOR 1986

CONDITIONS	CA		CE		EY		GC		GI		GU	
VARIABLES	EST	SE	EST	SE	EST	SE	EST	SE	EST	SE	EST	SE
INTERCEPT	-0.6935	0.1711	1.2702	0.2119	-5.0334	0.2787	-2.4782	0.2041	-4.6046	0.2977	-4.9166	0.4960
RAG	-2.0718	0.3060	-6.6604	0.3596	-2.0634	0.5218	-0.1881	0.3780	-3.7139	0.5078	-5.3277	0.8391
RAGSQ	1.5499	0.1373	3.7428	0.1522	2.4025	0.2450	1.1097	0.1769	3.4668	0.2170	4.5152	0.3568
SEX	-0.2593	0.0092	-0.0565	0.0099	-0.6174	0.0289	-0.1210	0.0201	-0.0971	0.0185	0.4567	0.0341
DI	-0.0272	0.0262	0.0901	0.0168	0.1705	0.0602	-0.1277	0.0430	0.3501	0.0402	0.3537	0.0657
OP	-0.1000	0.0144	0.1143	0.0191	0.3318	0.0449	0.0242	0.0366	0.2072	0.0296	0.3862	0.0496
CA	0.5851	0.0092	0.8364	0.0258	1.8688	0.0467	1.0402	0.0349	1.5772	0.0309	1.3949	0.0443
LV	1.2564	0.0407	0.9586	0.0740	1.1024	0.0990	0.8965	0.0259	1.2942	0.0551	1.4362	0.1772
RN	1.0298	0.0361	0.9586	0.0318	1.5581	0.0702	0.6505	0.0412	1.6787	0.0420	1.4506	0.0577
CE	-0.0221	0.0400	-0.6970	0.0305	0.3764	0.0591	-0.4242	0.0824	0.0921	0.0657	0.4479	0.0916
HY	-0.3215	0.0467	-0.0427	0.0218	-0.1194	0.1018	-0.1737	0.0736	-0.1337	0.0618	-0.0633	0.1163
CV	0.3175	0.0118	0.3192	0.0097	0.7138	0.0305	0.5685	0.0226	0.7724	0.0188	0.8915	0.0318
PH1	0.8905	0.0108	0.4851	0.0147	1.1647	0.0401	0.5078	0.0264	1.0110	0.0263	1.0662	0.0423
PH2	1.3003	0.0186	0.8945	0.0343	1.5354	0.0800	0.5598	0.0463	1.4630	0.0545	1.6150	0.0845
PH3M	1.5546	0.0307	1.2319	0.0715	2.1298	0.1384	0.7163	0.0638	1.9491	0.0945	1.9744	0.1628
PU1	0.4014	0.0125	0.3670	0.0161	0.5563	0.0395	0.2703	0.0267	0.5007	0.0252	0.7208	0.0389
PU2	0.7303	0.0237	0.6878	0.0381	1.0727	0.0727	0.4299	0.0509	0.8482	0.0498	1.0602	0.0766
PU3M	0.7999	0.0287	0.9325	0.0753	1.3039	0.1118	0.4267	0.0799	1.2691	0.0786	1.5561	0.1256
TRIN	-0.2505	0.0292	-0.1440	0.0353	0.6729	0.1012	0.3272	0.0622	0.6357	0.0736	0.2013	0.1316
PL1	0.1639	0.0158	0.1246	0.0157	0.1131	0.0377	0.1974	0.0297	0.2120	0.0248	0.2379	0.0404
PL2	0.2254	0.0418	0.2646	0.0388	0.1614	0.0778	0.3439	0.0705	0.2968	0.0537	0.4307	0.0839
PL3M	0.1770	0.0989	0.2803	0.0871	-0.1251	0.1570	0.3168	0.1550	0.4594	0.0995	0.4725	0.1783
TOTAL NUM	222,229		238,401		270,607		52,534		461,326		271,619	
DEATHS	93,522		64,594		5,542		18,040		13,703		4,922	
MODEL CHISQ	25,026		12,188		7,273		5,175		16,023		8,032	

Table 3

1986

Parameter Estimates

Conditions:

CA - Cancer
CE - Cerebrovascular accidents
EY - Neuropsychiatric and sensory disease
GC - Gastrintestinal catastrophes
GI - Gastrointestinal disease
GU - Urologic disease
GY - Gynecologic disease
HL - Low-risk heart disease
HM - Severe chronic heart disease
HS - Severe acute heart disease
ME - Metabolic/electrolyte disturbances
OP - Muskuloskeletal and cutaneous conditions
PN - Pulmonary disease
RN - Renal failure
SE - Infectious disease
TR - Severe trauma
UN - All other conditions

Table 3.1

PARAMETER ESTIMATES(EST) AND STANDARD ERRORS(SE) FROM THE 1988 MODEL APPLIED TO THE LAST DISCHARGES FOR 1986

CONDITIONS	CA		CE		EY		GC		GI		GU	
VARIABLES	EST	SE	EST	SE	EST	SE	EST	SE	EST	SE	EST	SE
INTERCEPT	-0.6935	0.1711	1.2702	0.2119	-5.0334	0.2787	-2.4782	0.2041	-4.6046	0.2977	-4.9166	0.4960
RAG	-2.0718	0.3060	-6.6604	0.3596	-2.0634	0.5218	-0.1881	0.3780	-3.7139	0.5078	-5.3277	0.8391
RAGSQ	1.5499	0.1373	3.7428	0.1522	2.4025	0.2450	1.1097	0.1769	3.4668	0.2170	4.5152	0.3568
SEX	-0.2593	0.0092	-0.0565	0.0099	-0.6174	0.0289	-0.1210	0.0201	-0.0971	0.0185	0.4567	0.0341
DI	-0.0272	0.0262	0.0901	0.0168	0.1705	0.0602	-0.1277	0.0430	0.3501	0.0402	0.3537	0.0657
OP	-0.1000	0.0144	0.1143	0.0191	0.3318	0.0449	0.0242	0.0366	0.2072	0.0296	0.3862	0.0496
CA	0.5851	0.0092	0.8364	0.0258	1.8688	0.0467	1.0402	0.0349	1.5772	0.0309	1.3949	0.0443
LV	1.2564	0.0407	0.9586	0.0740	1.1024	0.0990	0.8965	0.0259	1.2942	0.0551	1.4362	0.1772
RN	1.0298	0.0361	0.9586	0.0318	1.5581	0.0702	0.6505	0.0412	1.6787	0.0420	1.4506	0.0577
CE	-0.0221	0.0400	-0.6970	0.0305	0.3764	0.0591	-0.4242	0.0824	0.0921	0.0657	0.4479	0.0916
HY	-0.3215	0.0467	-0.0427	0.0218	-0.1194	0.1018	-0.1737	0.0736	-0.1337	0.0618	-0.0633	0.1163
CV	0.3175	0.0118	0.3192	0.0097	0.7138	0.0305	0.5685	0.0226	0.7724	0.0188	0.8915	0.0318
PH1	0.8905	0.0108	0.4851	0.0147	1.1647	0.0401	0.5078	0.0264	1.0110	0.0263	1.0662	0.0423
PH2	1.3003	0.0186	0.8945	0.0343	1.5354	0.0800	0.5598	0.0463	1.4630	0.0545	1.6150	0.0845
PH3M	1.5546	0.0307	1.2319	0.0715	2.1298	0.1384	0.7163	0.0638	1.9491	0.0945	1.9744	0.1628
PU1	0.4014	0.0125	0.3670	0.0161	0.5563	0.0395	0.2703	0.0267	0.5007	0.0252	0.7208	0.0389
PU2	0.7303	0.0237	0.6878	0.0381	1.0727	0.0727	0.4299	0.0509	0.8482	0.0498	1.0602	0.0766
PU3M	0.7999	0.0287	0.9325	0.0753	1.3039	0.1118	0.4267	0.0799	1.2691	0.0786	1.5561	0.1256
TRIN	-0.2505	0.0292	-0.1440	0.0353	0.6729	0.1012	0.3272	0.0622	0.6357	0.0736	0.2013	0.1316
PL1	0.1639	0.0158	0.1246	0.0157	0.1131	0.0377	0.1974	0.0297	0.2120	0.0248	0.2379	0.0404
PL2	0.2254	0.0418	0.2646	0.0388	0.1614	0.0778	0.3439	0.0705	0.2968	0.0537	0.4307	0.0839
PL3M	0.1770	0.0989	0.2803	0.0871	-0.1251	0.1570	0.3168	0.1550	0.4594	0.0995	0.4725	0.1783
TOTAL NUM	222,229		238,401		270,607		52,534		461,326		271,619	
DEATHS	93,522		64,594		5,542		18,040		13,703		4,922	
MODEL CHISQ	25,026		12,188		7,273		5,175		16,023		8,032	

Table 3.2

PARAMETER ESTIMATES(EST) AND STANDARD ERRORS(SE) FROM THE 1988 MODEL
APPLIED TO THE LAST DISCHARGES FOR 1986 10

CONDITIONS	GY		HL		HM		HS		ME		OP	
VARIABLES	EST	SE	EST	SE	EST	SE	EST	SE	EST	SE	EST	SE
INTERCEPT	-6.0902	1.4498	-3.4160	0.2212	-1.6133	0.1692	-0.5198	0.1701	-2.5712	0.2549	-3.7309	0.2242
RAG	-5.5378	2.5669	-4.2268	0.3845	-2.4500	0.2892	-3.1937	0.2987	-1.1829	0.4326	-5.0932	0.3922
RAGSQ	4.7783	1.1535	3.1875	0.1673	2.0516	0.1233	2.5477	0.1310	1.5576	0.1840	3.9324	0.1723
SEX			-0.3070	0.0130	-0.2495	0.0092	-0.0478	0.0087	-0.4780	0.0163	-0.4855	0.0193
DI	0.1866	0.3101	0.2941	0.0250	-0.0197	0.0160	0.1450	0.0158	0.0318	0.0342	0.3539	0.0365
OP	0.5395	0.2405	0.1872	0.0207	0.0077	0.0120	-0.1629	0.0144	0.0252	0.0287	0.3840	0.0315
CA	2.2193	0.1759	1.4997	0.0255	0.8415	0.0212	0.6057	0.0259	1.6491	0.0208	1.9165	0.0288
LV	1.6894	0.6300	1.1551	0.0807	0.8547	0.0438	1.1809	0.0751	0.9253	0.0716	1.5156	0.0806
RN	2.6680	0.2904	1.2739	0.0302	0.7806	0.0164	0.8464	0.0253	0.6618	0.0312	1.6090	0.0468
CE	0.9116	0.3657	0.0700	0.0454	-0.1465	0.0332	-0.4865	0.0385	-0.2090	0.0328	0.2731	0.0516
HY	-0.5363	0.5140	-0.1274	0.0348	-0.3400	0.0270	-0.3097	0.0243	-0.2524	0.0613	0.0238	0.0638
CV	1.3407	0.1327	0.5839	0.0133	0.1184	0.0092	0.2506	0.0090	0.6640	0.0177	1.0189	0.0195
PH1	1.0216	0.2113	0.9189	0.0161	0.6290	0.0106	0.4733	0.0130	0.5411	0.0194	0.9992	0.0292
PH2	1.6429	0.5046	1.4469	0.0310	0.9750	0.0166	0.8402	0.0282	0.8648	0.0347	1.5330	0.0602
PH3M			1.9382	0.0537	1.2485	0.0234	1.2165	0.0565	0.9935	0.0616	2.0814	0.1047
PU1	1.1173	0.1706	0.4277	0.0188	0.3470	0.0128	0.3501	0.0151	0.3306	0.0202	0.5565	0.0273
PU2	2.1093	0.2979	0.8318	0.0382	0.5611	0.0267	0.6626	0.0353	0.5036	0.0384	0.9047	0.0549
PU3M	2.2081	0.6138	0.9628	0.0702	0.7711	0.0481	0.9840	0.0650	0.6713	0.0572	1.3180	0.0858
TRIN	0.9013	0.7009	0.7265	0.0258	0.5468	0.0377	-0.3246	0.0243	0.2211	0.1395	0.7031	0.0868
PL1	0.4276	0.1768	0.1796	0.0160	0.1214	0.0133	0.1137	0.0136	0.0428	0.0233	0.0564	0.0266
PL2	0.9956	0.3936	0.2855	0.0294	0.1428	0.0298	0.2299	0.0313	0.0182	0.0546	0.1999	0.0587
PL3M	0.2168	1.1080	0.4296	0.0471	0.1918	0.0573	0.2938	0.0630	-0.2231	0.1276	0.3776	0.1113
TOTAL NUM	60,709		806,069		306,819		252,802		106,268		598,973	
DEATHS	292		27,612		71,429		98,629		25,226		12,993	
MODEL CHISQ	742		21,313		20,525		15,388		15,173		18,431	

Table 3.3

PARAMETER ESTIMATES(EST) AND STANDARD ERRORS(SE) FROM THE 1988 MODEL APPLIED TO THE LAST DISCHARGES FOR 1986

CONDITIONS	PN		RN		SE		TR		UN	
VARIABLES	EST	SE	EST	SE	EST	SE	EST	SE	EST	SE
INTERCEPT	-2.4297	0.1257	-5.3676	0.2513	-1.9628	0.1900	-1.2194	0.4088	-3.6987	0.0657
RAG	-1.6417	0.2157	4.0378	0.4657	-0.8787	0.3385	-1.6280	0.7616	-2.1326	0.1156
RAGSQ	1.9832	0.0927	-0.1729	0.2153	1.3268	0.1517	1.5136	0.3558	2.3068	0.0511
SEX	-0.3399	0.0087	-0.1521	0.0249	-0.1357	0.0166	-0.2379	0.0439	-0.3210	0.0051
DI	0.0955	0.0189	0.1173	0.0406	-0.0102	0.0289	0.1980	0.1100	0.1557	0.0107
OP	-0.3001	0.0106	0.1944	0.0515	-0.0513	0.0332	-0.3725	0.0878	0.2494	0.0076
CA	1.0634	0.0142	1.0241	0.0434	0.7422	0.0249	1.1083	0.1114	1.1908	0.0069
LV	0.8483	0.0480	1.5236	0.1083	0.9560	0.0634	1.1229	0.2031	1.4421	0.0190
RN	0.9741	0.0217	-0.0975	0.0366	0.8834	0.0323	1.1905	0.1593	1.0938	0.0116
CE	0.0463	0.0197	-0.1517	0.0812	-0.2689	0.0439	-0.9687	0.1333	0.0093	0.0150
HY	-0.3062	0.0315	-0.4059	0.0461	-0.3765	0.0692	-0.5217	0.1900	-0.2185	0.0183
CV	0.3822	0.0087	0.6109	0.0257	0.5128	0.0183	0.5865	0.0477	0.6784	0.0053
PH1	0.7077	0.0107	0.3839	0.0296	0.5894	0.0203	0.0373	0.0718	0.8865	0.0069
PH2	1.0172	0.0193	0.6771	0.0504	0.7663	0.0367	0.4404	0.1499	1.3351	0.0135
PH3M	1.2355	0.0334	0.8575	0.0795	1.0428	0.0657	0.7899	0.3126	1.6613	0.0244
PU1	0.5472	0.0115	0.3206	0.0310	0.3753	0.0205	0.1126	0.0720	0.4908	0.0063
PU2	0.8525	0.0231	0.6637	0.0561	0.6278	0.0369	0.2373	0.1725	0.8060	0.0106
PU3M	1.0659	0.0374	0.7923	0.0922	0.8401	0.0550	0.8693	0.2744	0.8532	0.0140
TRIN	0.1941	0.0435	0.1664	0.0511	0.4250	0.0740	-0.1804	0.1057	0.4715	0.0173
PL1	0.2260	0.0135	0.1230	0.0347	0.1273	0.0238	-0.0378	0.0724	0.1093	0.0077
PL2	0.1862	0.0334	0.4177	0.0799	0.2285	0.0558	0.3079	0.1735	0.1382	0.0181
PL3M	0.3574	0.0720	0.6154	0.1578	0.4217	0.1292	-0.6078	0.4822	0.0787	0.0385
TOTAL NUM	338,897		34,173		73,283		11,730		2,229,542	
DEATHS	86,566		13,299		26,783		3,326		190,843	
MODEL CHISQ	40,378		6,793		7,093		688		150,640	

Table 4

Comparison
of 1986 and 1987
Parameter Estimates

Table 4.1

Diagnostic Category: Cancer(CA)

VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-0.694	-0.959
RAG	1.134	-2.072	-1.633
RAGSQ	1.286	1.550	1.350
SEX	0.487	-0.259	-0.240
DI	0.034	-0.027	-0.102
OP	0.126	-0.100	-0.056
CA	0.485	0.585	0.577
LV	0.014	1.256	1.357
RN	0.018	1.030	1.047
CE	0.014	-0.022	-0.063
HY	0.010	-0.321	-0.368
CV	0.191	0.318	0.352
PH1	0.221	0.890	0.905
PH2	0.060	1.300	1.311
PH3M	0.021	1.555	1.559
PU1	0.150	0.401	0.422
PU2	0.038	0.730	0.672
PU3M	0.260	0.800	0.800
TRIN	0.025	-0.251	-0.263
PL1	0.087	0.164	0.157
PL2	0.011	0.225	0.177
PL3M	0.002	0.177	0.127
TOTAL CASES		222,229	216,565
DEATHS		93,522	89,692
Mortality	Average Case	45.1%	44.9%
	Observed	42.1%	41.4%
Interhospital Variance		0.00137	0.00130
MODEL CHISQ		25,026	23,809

Table 4.2

Diagnostic Category: CEREBROVASCULAR ACCIDENTS(CE)			
VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	1.270	1.200
RAG	1.192	-6.660	-6.615
RAGSQ	1.422	3.743	3.712
SEX	0.582	-0.057	-0.048
DI	0.093	0.090	0.102
OP	0.070	0.114	0.128
CA	0.300	0.836	0.810
LV	0.003	0.959	0.967
RN	0.019	0.959	0.880
CE	0.038	-0.697	-0.628
HY	0.048	-0.043	-0.078
CV	0.382	0.319	0.353
PH1	0.107	0.485	0.467
PH2	0.015	0.895	0.840
PH3M	0.003	1.232	1.220
PU1	0.081	0.367	0.381
PU2	0.011	0.688	0.659
PU3M	0.003	0.932	0.708
TRIN	0.018	-0.144	-0.047
PL1	0.093	0.125	0.121
PL2	0.012	0.265	0.176
PL3M	0.002	0.280	0.363
TOTAL CASES		238,401	240,896
DEATHS		64,594	63,407
Mortality	Average Case	29.3%	28.3%
	Observed	27.1%	26.3%
Interhospital Variance		0.00044	0.00039
MODEL CHISQ		12,188	11,842

Table 4.3

Diagnostic Category: NEUROPSYCHIATRIC/SENSORY(EY)			
VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-5.033	-5.281
RAG	1.069	-2.063	-1.561
RAGSQ	1.143	2.402	2.230
SEX	0.580	-0.617	-0.575
DI	0.052	0.171	0.176
OP	0.074	0.332	0.356
CA	0.020	1.869	1.933
LV	0.011	1.102	0.890
RN	0.011	1.558	1.616
CE	0.052	0.376	0.207
HY	0.017	-0.119	-0.042
CV	0.177	0.714	0.680
PH1	0.042	1.165	1.017
PH2	0.006	1.535	1.696
PH3M	0.001	2.130	1.933
PU1	0.081	0.556	0.542
PU2	0.012	1.073	0.950
PU3M	0.004	1.304	1.473
TRIN	0.008	0.673	0.517
PL1	0.146	0.113	0.146
PL2	0.029	0.161	0.141
PL3M	0.009	-0.125	0.070
TOTAL CASES		**270,607**	**245,185**
DEATHS		**5,542**	**5,633**
Mortality	**Average Case**	**1.14%**	**1.27%**
	Observed	**2.05%**	**2.30%**
Interhospital Variance		**0.00005**	**0.00006**
MODEL CHISQ		7,273	7,524

Table 4.4

Diagnostic Category: GASTROINTESTINAL CATASTROPHES(GC)			
VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-2.478	-2.309
RAG	1.124	-0.188	-0.470
RAGSQ	1.263	1.110	1.233
SEX	0.544	-0.121	-0.118
DI	0.061	-0.128	-0.164
OP	0.081	0.024	0.005
CA	0.083	1.040	1.067
LV	0.175	0.896	0.909
RN	0.062	0.651	0.680
CE	0.017	-0.424	-0.507
HY	0.019	-0.174	-0.304
CV	0.249	0.568	0.571
PH1	0.154	0.508	0.443
PH2	0.043	0.560	0.591
PH3M	0.02	0.716	0.575
PU1	0.155	0.270	0.292
PU2	0.034	0.430	0.490
PU3M	0.013	0.427	0.520
TRIN	0.022	0.327	0.313
PL1	0.112	0.197	0.143
PL2	0.017	0.344	0.174
PL3M	0.003	0.317	0.145
TOTAL CASES		52,534	52,907
DEATHS		18,040	18,329
Mortality	Average Case	32.5%	32.4%
	Observed	34.3%	34.6%
Interhospital	Variance	0.00232	0.00229
MODEL CHISQ		5,175	5,215

Table 4.5

Diagnostic Category: GASTROINTESTINAL DISEASE(GI)			
		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-4.605	-3.563
RAG	1.127	-3.714	-5.535
RAGSQ	1.270	3.467	4.257
SEX	0.558	-0.097	-0.124
DI	0.045	0.350	0.268
OP	0.093	0.207	0.246
CA	0.026	1.577	1.640
LV	0.013	1.294	1.373
RN	0.013	1.679	1.490
CE	0.016	0.092	0.097
HY	0.021	-0.134	-0.148
CV	0.228	0.772	0.771
PH1	0.046	1.011	1.007
PH2	0.006	1.463	1.458
PH3M	0.001	1.949	1.872
PU1	0.087	0.501	0.526
PU2	0.013	0.848	0.999
PU3M	0.003	1.269	1.067
TRIN	0.006	0.636	0.670
PL1	0.117	0.212	0.218
PL2	0.018	0.297	0.380
PL3M	0.004	0.459	0.297
TOTAL CASES		461,326	451,765
DEATHS		13,703	13,776
Mortality	Average Case	1.8%	1.8%
	Observed	3.0%	3.0%
Interhospital Variance		0.00004	0.00004
MODEL CHISQ		16,023	16,232

Table 4.6

Diagnostic Category: UROLOGIC DISEASE(GU)			
VARIABLES		**Coefficients**	
		1986	**1987**
Names	1987 Average Case		
INTERCEPT	1	-4.917	-4.723
RAG	1.120	-5.328	-5.528
RAGSQ	1.254	4.515	4.469
SEX	0.157	0.457	0.593
DI	0.039	0.354	0.454
OP	0.080	0.386	0.149
CA	0.038	1.395	1.430
LV	0.002	1.436	1.422
RN	0.017	1.451	1.473
CE	0.013	0.448	0.586
HY	0.015	-0.063	-0.012
CV	0.175	0.892	0.933
PH1	0.040	1.066	1.152
PH2	0.005	1.615	1.599
PH3M	0.000	1.974	0.000
PU1	0.078	0.721	0.636
PU2	0.011	1.060	1.087
PU3M	0.003	1.556	1.589
TRIN	0.006	0.201	0.646
PL1	0.119	0.238	0.165
PL2	0.017	0.431	0.491
PL3M	0.004	0.473	0.834
TOTAL CASES		**271,619**	**277,784**
DEATHS		**4,922**	**4,634**
Mortality	**Average Case**	**0.9%**	**0.8%**
	Observed	**1.8%**	**1.7%**
Interhospital Variance		**0.00006**	**0.00005**
MODEL CHISQ		**8,032**	**7,689**

Table 4.7

Diagnostic Category: GYNECOLOGIC DISEASE(GY)			
VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-6.090	-9.179
RAG	1.091	-5.538	
RAGSQ	1.190	4.778	2.312
SEX	1		
DI	0.025	0.187	0.984
OP	0.038	0.540	0.132
CA	0.012	2.219	2.184
LV	0.002	1.689	1.887
RN	0.005	2.668	2.230
CE	0.009	0.912	0.347
HY	0.012	-0.536	0.307
CV	0.096	1.341	1.340
PH1	0.012	1.022	1.681
PH2	0.001	1.643	2.903
PH3M	0		
PU1	0.037	1.117	0.976
PU2	0.004	2.109	1.108
PU3M	0.001	2.208	1.559
TRIN	0.001	0.901	1.358
PL1	0.062	0.428	-0.305
PL2	0.006	0.996	0.626
PL3M	0	0.217	
TOTAL CASES		60,709	61,870
DEATHS		292	273
Mortality	Average Case	0.2%	0.2%
	Observed	0.5%	0.4%
Interhospital Variance		0.00003	0.00003
MODEL CHISQ		742	667

Table 4.8

Diagnostic Category: LOW-RISK HEART DISEASE(HL)

VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-3.416	-3.165
RAG	1.132	-4.227	-4.678
RAGSQ	1.281	3.188	3.381
SEX	0.550	-0.307	-0.298
DI	0.061	0.294	0.299
OP	0.093	0.187	0.200
CA	0.020	1.500	1.509
LV	0.003	1.155	1.227
RN	0.016	1.274	1.184
CE	0.019	0.070	0.035
HY	0.038	-0.127	-0.170
CV	0.517	0.584	0.544
PH1	0.090	0.919	0.880
PH2	0.012	1.447	1.440
PH3M	0.003	1.938	2.035
PU1	0.078	0.428	0.456
PU2	0.011	0.832	0.861
PU3M	0.003	0.963	1.195
TRIN	0.036	0.726	0.673
PL1	0.171	0.180	0.190
PL2	0.035	0.286	0.255
PL3M	0.011	0.430	0.426
TOTAL CASES		806,069	818,849
DEATHS		27,612	27,786
Mortality	Average Case	2.5%	2.4%
	Observed	3.4%	3.4%
Interhospital Variance		0.00002	0.00002
MODEL CHISQ		21,313	21,104

Table 4.9

Diagnostic Category: **SEVERE CHRONIC HEART DISEASE (HM)**

VARIABLES		**Coefficients**	
		1986	**1987**
Names	1987 Average Case		
INTERCEPT	1	-1.613	-1.958
RAG	1.187	-2.450	-1.776
RAGSQ	1.409	2.052	1.735
SEX	0.551	-0.249	-0.237
DI	0.102	-0.020	-0.047
OP	0.187	0.008	0.003
CA	0.034	0.841	0.803
LV	0.008	0.855	0.711
RN	0.066	0.781	0.726
CE	0.020	-0.146	-0.081
HY	0.033	-0.340	-0.399
CV	0.594	0.118	0.080
PH1	0.202	0.629	0.633
PH2	0.061	0.975	0.951
PH3M	0.028	1.249	1.173
PU1	0.121	0.347	0.321
PU2	0.022	0.561	0.532
PU3M	0.006	0.771	0.654
TRIN	0.011	0.547	0.461
PL1	0.118	0.121	0.109
PL2	0.021	0.143	0.122
PL3M	0.005	0.192	0.205
TOTAL CASES		**306,819**	**311,444**
DEATHS		**71,429**	**70,762**
Mortality	**Average Case**	**21.1%**	**20.6%**
	Observed	**23.3%**	**22.7%**
Interhospital Variance		**0.00037**	**0.00032**
MODEL CHISQ		**20,525**	**19,097**

Table 4.10

Diagnostic Category: SEVERE ACUTE HEART DISEASE(HS)			
VARIABLES		**Coefficients**	
		1986	**1987**
Names	1987 Average Case		
INTERCEPT	1	-0.520	-0.386
RAG	1.156	-3.194	-3.497
RAGSQ	1.336	2.548	2.678
SEX	0.482	-0.048	-0.038
DI	0.083	0.145	0.174
OP	0.108	-0.163	-0.153
CA	0.028	0.606	0.556
LV	0.003	1.181	1.032
RN	0.029	0.846	0.817
CE	0.015	-0.486	-0.504
HY	0.033	-0.310	-0.286
CV	0.675	0.251	0.252
PH1	0.137	0.473	0.426
PH2	0.023	0.840	0.801
PH3M	0.006	1.217	1.172
PU1	0.083	0.350	0.357
PU2	0.013	0.663	0.633
PU3M	0.004	0.984	0.977
TRIN	0.043	-0.325	-0.448
PL1	0.105	0.114	0.110
PL2	0.017	0.230	0.150
PL3M	0.005	0.294	0.372
TOTAL CASES		252,802	246,665
DEATHS		98,629	94,172
Mortality	Average Case	37.7%	36.5%
	Observed	39.0%	38.2%
Interhospital Variance		0.00062	0.00067
MODEL CHISQ		15,388	14,457

Table 4.11

Diagnostic Category: METABOLIC/ELECTROLYTE DISORDERS(ME)

VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-2.571	-3.205
RAG	1.209	-1.183	0.267
RAGSQ	1.462	1.558	0.835
SEX	0.639	-0.478	-0.430
DI	0.067	0.032	-0.080
OP	0.088	0.025	0.024
CA	0.164	1.649	1.617
LV	0.010	0.925	0.866
RN	0.057	0.662	0.642
CE	0.082	-0.209	-0.264
HY	0.019	-0.252	-0.200
CV	0.249	0.664	0.625
PH1	0.176	0.541	0.544
PH2	0.040	0.865	0.776
PH3M	0.012	0.993	1.018
PU1	0.165	0.331	0.317
PU2	0.036	0.504	0.425
PU3M	0.015	0.671	0.624
TRIN	0.003	0.221	0.326
PL1	0.124	0.043	0.045
PL2	0.019	0.018	0.058
PL3M	0.004	-0.223	-0.116
TOTAL CASES		106,268	105,282
DEATHS		25,226	26,485
Mortality	Average Case	20.8%	21.8%
	Observed	23.7%	25.2%
Interhospital Variance		0.00206	0.00216
MODEL CHISQ		15,173	14,966

Table 4.12

Diagnostic Category: MUSCULOSKELETAL/SKIN CONDITIONS(OP)

VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-3.731	-3.313
RAG	1.121	-5.093	-5.814
RAGSQ	1.257	3.932	4.244
SEX	0.666	-0.485	-0.469
DI	0.059	0.354	0.366
OP	0.066	0.384	0.463
CA	0.024	1.916	1.885
LV	0.004	1.516	1.573
RN	0.010	1.609	1.641
CE	0.023	0.273	0.295
HY	0.017	0.024	0.046
CV	0.170	1.019	0.985
PH1	0.031	0.999	1.058
PH2	0.004	1.533	1.447
PH3M	0.001	2.081	2.187
PU1	0.066	0.557	0.494
PU2	0.009	0.905	0.970
PU3M	0.003	1.318	1.433
TRIN	0.004	0.703	0.866
PL1	0.123	0.056	0.041
PL2	0.018	0.200	0.086
PL3M	0.004	0.378	-0.007
TOTAL CASES		598,973	585,696
DEATHS		12,993	13,186
Mortality	Average Case	1.2%	1.2%
	Observed	2.2%	2.3%
Interhospital Variance		0.00003	0.00004
MODEL CHISQ		18,431	18,616

Table 4.13

Diagnostic Category: PULMONARY DISEASE (PN)

VARIABLES		Coefficients	
Names	1987 Average Case	1986	1987
INTERCEPT	1	-2.430	-2.601
RAG	1.191	-1.642	-1.152
RAGSQ	1.418	1.983	1.708
SEX	0.509	-0.340	-0.335
DI	0.055	0.096	0.104
OP	0.261	-0.300	-0.302
CA	0.084	1.063	1.070
LV	0.007	0.848	0.649
RN	0.031	0.974	0.849
CE	0.051	0.046	0.028
HY	0.020	-0.306	-0.299
CV	0.386	0.382	0.388
PH1	0.162	0.708	0.682
PH2	0.038	1.017	0.961
PH3M	0.012	1.235	1.227
PU1	0.134	0.547	0.530
PU2	0.028	0.852	0.818
PU3M	0.010	1.066	1.055
TRIN	0.008	0.194	0.133
PL1	0.095	0.226	0.234
PL2	0.014	0.186	0.266
PL3M	0.003	0.357	0.288
TOTAL CASES		338,897	339,986
DEATHS		86,566	87,977
Mortality	Average Case	22.3%	22.6%
	Observed	25.5%	25.9%
Interhospital Variance		0.00078	0.00072
MODEL CHISQ		40,378	38,547

Table 4.14

Diagnostic Category: RENAL FAILURE(RN)			
VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-5.368	-4.716
RAG	1.112	4.038	2.488
RAGSQ	1.237	-0.173	0.572
SEX	0.493	-0.152	-0.132
DI	0.117	0.117	0.118
OP	0.061	0.194	0.230
CA	0.087	1.024	0.946
LV	0.014	1.524	1.263
RN	0.137	-0.097	-0.069
CE	0.026	-0.152	-0.011
HY	0.088	-0.406	-0.345
CV	0.349	0.611	0.642
PH1	0.224	0.384	0.377
PH2	0.058	0.677	0.651
PH3M	0.022	0.857	1.037
PU1	0.189	0.321	0.324
PU2	0.049	0.664	0.416
PU3M	0.021	0.792	0.794
TRIN	0.054	0.166	0.181
PL1	0.135	0.123	0.192
PL2	0.023	0.418	0.319
PL3M	0.004	0.615	0.462
TOTAL CASES		**34,173**	**33,325**
DEATHS		**13,299**	**12,531**
Mortality	**Average Case**	**35.9%**	**33.0%**
	Observed	**38.9%**	**37.6%**
Interhospital Variance		**0.01353**	**0.01217**
MODEL CHISQ		**6,793**	**6,125**

Table 4.15

Diagnostic Category: INFECTIOUS DISEASE(SE)			
VARIABLES		**Coefficients**	
		1986	**1987**
Names	1987 Average Case		
INTERCEPT	1	-1.963	-2.265
RAG	1.185	-0.879	-0.228
RAGSQ	1.404	1.327	0.967
SEX	0.578	-0.136	-0.120
DI	0.098	-0.010	-0.007
OP	0.073	-0.051	-0.053
CA	0.128	0.742	0.737
LV	0.016	0.956	0.976
RN	0.065	0.883	0.750
CE	0.041	-0.269	-0.324
HY	0.016	-0.376	-0.318
CV	0.267	0.513	0.517
PH1	0.184	0.589	0.563
PH2	0.045	0.766	0.731
PH3M	0.014	1.043	0.960
PU1	0.183	0.375	0.413
PU2	0.046	0.628	0.620
PU3M	0.019	0.840	0.796
TRIN	0.011	0.425	0.446
PL1	0.124	0.127	0.149
PL2	0.019	0.229	0.233
PL3M	0.003	0.422	0.250
TOTAL CASES		73,283	77,856
DEATHS		26,783	27,664
Mortality	**Average Case**	34.5%	33.7%
	Observed	36.5%	35.5%
Interhospital Variance		0.00195	0.00168
MODEL CHISQ		7,093	6,964

Table 4.16

Diagnostic Category: **SEVERE TRAUMA(TR)**

VARIABLES		Coefficients	
		1986	**1987**
Names	1987 Average Case		
INTERCEPT	1	-1.219	-1.498
RAG	1.161	-1.628	-1.358
RAGSQ	1.348	1.514	1.460
SEX	0.479	-0.238	-0.244
DI	0.039	0.198	-0.063
OP	0.075	-0.372	-0.249
CA	0.033	1.108	0.821
LV	0.008	1.123	1.158
RN	0.013	1.190	1.110
CE	0.048	-0.969	-0.488
HY	0.015	-0.522	-0.172
CV	0.246	0.586	0.575
PH1	0.119	0.037	0.109
PH2	0.015	0.440	0.381
PH3M	0.003	0.790	0.924
PU1	0.092	0.113	0.213
PU2	0.014	0.237	0.401
PU3M	0.004	0.869	0.810
TRIN	0.051	-0.180	-0.172
PL1	0.096	-0.038	-0.026
PL2	0.013	0.308	-0.234
PL3M	0.003	-0.608	0.252
TOTAL CASES		**11,730**	**11,777**
DEATHS		**3,326**	**3,306**
Mortality	**Average Case**	**26.3%**	**26.1%**
	Observed	**28.4%**	**28.1%**
Interhospital Variance		**0.00348**	**0.00303**
MODEL CHISQ		**688**	**621**

Table 4.17

Diagnostic Category: ALL OTHER DISEASES (UN)

VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-3.699	-3.526
RAG	1.136	-2.133	-2.457
RAGSQ	1.290	2.307	2.435
SEX	0.581	-0.321	-0.293
DI	0.061	0.156	0.169
OP	0.122	0.249	0.240
CA	0.086	1.191	1.174
LV	0.008	1.442	1.429
RN	0.028	1.094	1.066
CE	0.032	0.009	0.019
HY	0.022	-0.219	-0.222
CV	0.275	0.678	0.660
PH1	0.081	0.886	0.918
PH2	0.014	1.335	1.327
PH3M	0.004	1.661	1.623
PU1	0.148	0.491	0.483
PU2	0.034	0.806	0.752
PU3M	0.018	0.853	0.736
TRIN	0.012	0.472	0.423
PL1	0.104	0.109	0.115
PL2	0.016	0.138	0.107
PL3M	0.003	0.079	0.086
TOTAL CASES		**2,229,542**	**2,200,419**
DEATHS		**190,843**	**187,048**
Mortality	**Average Case**	**6.1%**	**6.0%**
	Observed	**8.6%**	**8.5%**
Interhospital Variance		**0.00008**	**0.00007**
MODEL CHISQ		**150,640**	**144,234**

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Table 4.16

Diagnostic Category: SEVERE TRAUMA(TR)			
VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-1.219	-1.498
RAG	1.161	-1.628	-1.358
RAGSQ	1.348	1.514	1.460
SEX	0.479	-0.238	-0.244
DI	0.039	0.198	-0.063
OP	0.075	-0.372	-0.249
CA	0.033	1.108	0.821
LV	0.008	1.123	1.158
RN	0.013	1.190	1.110
CE	0.048	-0.969	-0.488
HY	0.015	-0.522	-0.172
CV	0.246	0.586	0.575
PH1	0.119	0.037	0.109
PH2	0.015	0.440	0.381
PH3M	0.003	0.790	0.924
PU1	0.092	0.113	0.213
PU2	0.014	0.237	0.401
PU3M	0.004	0.869	0.810
TRIN	0.051	-0.180	-0.172
PL1	0.096	-0.038	-0.026
PL2	0.013	0.308	-0.234
PL3M	0.003	-0.608	0.252
TOTAL CASES		11,730	11,777
DEATHS		3,326	3,306
Mortality	Average Case	26.3%	26.1%
	Observed	28.4%	28.1%
Interhospital Variance		0.00348	0.00303
MODEL CHISQ		688	621

Table 4.17

Diagnostic Category: ALL OTHER DISEASES (UN)

VARIABLES		**Coefficients**	
		1986	**1987**
Names	1987 Average Case		
INTERCEPT	1	-3.699	-3.526
RAG	1.136	-2.133	-2.457
RAGSQ	1.290	2.307	2.435
SEX	0.581	-0.321	-0.293
DI	0.061	0.156	0.169
OP	0.122	0.249	0.240
CA	0.086	1.191	1.174
LV	0.008	1.442	1.429
RN	0.028	1.094	1.066
CE	0.032	0.009	0.019
HY	0.022	-0.219	-0.222
CV	0.275	0.678	0.660
PH1	0.081	0.886	0.918
PH2	0.014	1.335	1.327
PH3M	0.004	1.661	1.623
PU1	0.148	0.491	0.483
PU2	0.034	0.806	0.752
PU3M	0.018	0.853	0.736
TRIN	0.012	0.472	0.423
PL1	0.104	0.109	0.115
PL2	0.016	0.138	0.107
PL3M	0.003	0.079	0.086
TOTAL CASES		**2,229,542**	**2,200,419**
DEATHS		**190,843**	**187,048**
Mortality	**Average Case**	**6.1%**	**6.0%**
	Observed	**8.6%**	**8.5%**
Interhospital Variance		**0.00008**	**0.00007**
MODEL CHISQ		**150,640**	**144,234**

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